4K96-38

KODIAK MANAGEMENT AREA COMMERCIAL SALMON ANNUAL MANAGEMENT REPORT, 1994

By

Kevin Brennan
Dave Prokopowich
and
Dennis Gretsch

Regional Information Report[1] No. 4K96-38

Alaska Department of Fish and Game
Commercial Fisheries Management and Development Division
211 Mission Road
Kodiak, Alaska 99615

July 1996

[1]The Regional Information Report Series was established in 1987 to provide an information access system for all unpublished division reports. These reports frequently serve diverse ad hoc informational purposes or archive basic uninterpreted data. To accommodate timely reporting of recently collected information, reports in this series undergo only limited internal review and may contain preliminary data; this information may be subsequently finalized and published in the formal literature. Consequently, these reports should not be cited without prior approval of the author or the Commercial Fisheries Management and Development Division.

ACKNOWLEDGMENTS

The authors express their appreciation to all the Alaska Department of Fish and Game seasonal employees who worked in Kodiak during the past salmon seasons, and also to the employees of Alaska State Parks, the U.S. Fish and Wildlife Service, and the Kodiak Regional Aquaculture Association, who have aided data collection. Thanks to Lucinda Neel, Joanne Shaker, Joan Brodie, Jim Blackburn, and Sharon Theis for their technical support.

TABLE OF CONTENTS

TABLE OF CONTENTS (Cont.)

LIST OF TABLES

LIST OF TABLES (Cont.)

LIST OF FIGURES

LIST OF FIGURES (Cont.)

LIST OF APPENDICES

LIST OF APPENDICES (Cont.)

LIST OF APPENDICES (Cont.)

LIST OF APPENDICES (Cont.)

LIST OF APPENDICES (Cont.)

LIST OF APPENDICES (Cont.)

INTRODUCTION

Since Alaska was granted statehood the Alaska Department of Fish and Game (ADF&G) has been charged with the management of the salmon resources of the state. It is the intent of ADF&G's Commercial Fisheries Management and Development Division (CFMDD) to maintain the salmon resources of the state to allow subsistence, commercial, and sport harvest of salmon surplus to escapement needs.

Annual Management Reports of Kodiak Management Area (KMA) commercial salmon fisheries have been compiled since statehood. This report describes the Kodiak Management Area, provides an overview of the salmon resources of the area and the status of the various stocks, gives a brief the history of the commercial fishery, and explains the current Kodiak Management Area commercial salmon fisheries and the various harvest strategies which are in effect throughout the commercial salmon fishing season. In addition, this report will review historical harvests and effort levels.

Note: Tables and graphics provided in this report do not include 1989 data. Where average harvest information is used, 1989 is not included. Due to the 1989 Exxon Valdez oil spill most of the KMA remained closed to commercial salmon fishing for the entire season.
In March 1995 KMA management was reviewed by the Alaska Board of Fisheries (BOF), and various reports regarding KMA salmon fisheries were generated. To provide consistency with past KMA annual salmon reports much of the information presented to the BOF in Regional Information Report 4K95-12 (Prokopowich, 1995) will also be included in this report.

KODIAK MANAGEMENT AREA DESCRIPTION

Location and Boundaries

The Kodiak Management Area is comprised of waters in the western Gulf of Alaska surrounding the Kodiak Archipelago, and along that portion of the Alaska Peninsula which drains into Shelikof Strait between Cape Douglas and Kilokak Rocks at Imuya Bay (Figure 1). The archipelago is approximately 150 miles long extending from Shuyak Island south to the Trinity Islands. The Alaska Peninsula portion is about 160 miles long and is separated from the archipelago by Shelikof Strait which averages 30 miles in width. Waters around Chirikof Island, located approximately 40 miles south southwest of the Trinity Islands, are also included. The regulatory description of the KMA is all waters of Alaska south of a line extending east from Cape Douglas at 58°52' North latitude, west of 150° West longitude, north of 55°30' North latitude, and east of a line extending south from the southern entrance of Imuya Bay near Kilokak Rocks at 156°20'13" West longitude[1].

[1] All latitudes and longitudes currently used in ADF&G Commercial Fishing Regulations (ADF&G 1993a) are based on North American datum of 1927 (5 AAC 39.997(b)). This document also follows that system.

Physical Description

Glaciation shaped the Kodiak Archipelago. Topography of the area ranges from sharp crested alpine peaks (along the northeast-southwest axis of the island), to broad U shaped alpine valleys, to low flat-bottomed wetlands. The coastline is mostly rocky and irregular, deeply indented by numerous glacially scoured straits, inlets, and branching fjords. Though the archipelago covers approximately 5,000 square miles of land area, there is no place on Kodiak Island that is more than 15 miles from the ocean (Buck et al. 1975). Streams are generally short and steep, draining deep mountain lakes or small glaciers. The southwest end of the island is lower with more subdued topography and a relatively smooth rounded coastline. Southwest Kodiak streams are somewhat longer, flowing along wide valleys (the longest rivers, the Karluk and Ayakulik, are located in this zone and each extend about 30 miles). The western portion of the Kodiak Management Area lies along the Alaska Peninsula. While similar in many ways to the Kodiak Archipelago, and also shaped by glaciation, it is an area strongly influenced by volcanism. The rugged Aleutian Range dominates the topography, running in a northeast-southwest direction along the peninsula, and forms the boundary of the watersheds which drain into Shelikof Strait. The mountains are higher than those of the Kodiak Archipelago, with many large glaciers. Generally, temperatures are lower, annual precipitation is less, and streams are relatively short and steep. Because of the local occurrence of deep beds of volcanic ash some streams are unstable with shifting stream channels.

The marine waters of the area are influenced by the Alaska Current, which moves north along the Southeast Alaska panhandle, west by the north shore of the Gulf of Alaska (past Yakutat and Prince William Sound), then moves south and west past Kodiak Island. The current narrows and intensifies near the archipelago, and becomes the Alaska Stream, which passes down along the Alaska Peninsula. Actual surface currents are greatly influenced by tides and strong winds associated with frequent storms in the gulf. The climate of the Kodiak region is dominated by this strong marine influence. It is characterized by mild temperatures (the overall mean annual temperature is 40° F), predominantly cloudy skies (days are overcast more than half the year) with moderate to heavy precipitation (averaging over 68 inches per year, with up to 200 inches per year documented in specific locations).

The marine waters around Kodiak are among the most productive in the North Pacific. Offshore upwelling combines with abundant freshwater runoff to make near shore waters rich in nutrients. There are hundreds of species of marine fish native to the KMA, and five species of salmon are native to streams of the Kodiak Archipelago and the Alaska Peninsula: chinook *Oncorhynchus tshawytscha*, sockeye *O. nerka*, pink *O. gorbuscha*, chum *O. keta*, and coho *O. kisutch* salmon.

Population and Communities

Kodiak is one of the most rapidly expanding communities in the state of Alaska, with a population growth of 16.3% from 1990 to 1994 (Alaska Department of Labor, Unpublished Report, 1995). Approximately 15,500 people currently reside within boundaries of the Kodiak Management Area. The majority of area residents reside in the city of Kodiak (approximately 7,500) and along the connecting road system (approximately 6,800; including the U.S. Coast Guard Base adjacent to town, and outlying communities of Monashka Bay, Bell's Flats, Pasagshak, and Chiniak). The remaining 1,200 people reside in small communities scattered around the island, including the cities

of Akhiok, Larsen Bay, Old Harbor, Ouzinkie, Port Lions, the village of Karluk, and a logging camp located in Danger Bay (Figure 2). Approximately 15% of the population is of Alaska Native heritage (Northern Economics 1991).

Commercial fishing and processing account for 55% of the private sector work force (Northern Economics 1991). During the commercial salmon fishing season (approximately June through September) 4,200 to 5,000 people may be involved in the KMA commercial salmon fishery. This includes approximately 1,800 to 2,000 fishers and crew, 200 to 300 tender operators and crew, and 2,200 to 2,700 processing personnel (based on ADF&G estimate and Alaska Department of Labor statistics). The economic value of the commercial salmon fishery, based solely on the average price paid to fishers (exvessel value), has averaged over $38 million annually since 1990 (Figure 3).

SALMON RESOURCES

Salmon Producing Streams

There are approximately 800 streams within the KMA in which salmon migration or spawning has been documented (State of Alaska 1993a). Of these, 440 streams are shown on the current Kodiak Area Salmon Statistical Area Map (Figure 4; Appendices A.1-A.8). Four streams support viable chinook salmon stocks, 39 streams support sockeye salmon stocks of varying size, 174 have coho salmon runs, approximately 150 have chum salmon runs, and all 440 streams support pink salmon stocks. Of these streams, 92 are located in the Mainland District on the Alaska Peninsula, 18 are on Shuyak Island, 84 are on Afognak Island, 234 are on Kodiak Island, and 12 are on the Trinity Island group (Table 1).

Biological Escapement Goals

The ADF&G salmon management and research staff have established biological escapement goals, or the annual number of spawning salmon required inriver to sustain production, for each salmon species. Escapement goals are expressed as a range; the low end of the range is considered a minimum escapement, and the high end of the range is the maximum escapement goal (Table 2). These escapement goals have been formulated for sockeye, pink, and chum salmon by river system (Appendices B.1-B.3). Escapement goals have also been prepared for most coho and major chinook salmon producing streams (Appendices B.4 and B.5). The KMA commercial salmon fisheries are managed to achieve escapement levels which are within the biological range. The "targeted" escapement goals for KMA salmon are: 15,000 chinook, 2,100,000 sockeye, 3,000,000 to 4,500,000 pink[2], 1,020,000 chum and 150,000 coho salmon.

[2] Pink salmon production in individual systems tends to be large one year, then small the next. Hence the escapement goal is different between odd and even years, with odd numbered years having lower goals, and even years having higher goals.

Salmon "Production Potential" (Wild Stocks)

The "production potential" for KMA salmon stocks can be calculated by multiplying the desired escapement (the goal) by an assumed average return per spawner (RPS) for each species (RPS are available in the literature, or can be calculated from current research). The "potential harvest" can then be calculated by subtracting the specific targeted escapement goal from the production potential (Table 3).

Using the above method, and assuming that escapement requirements will be achieved and that the actual return per spawner values for each species will be near the assumed values, the "potential harvest" is 22,500 chinook, 3,150,000 sockeye, 7,500,000 to 11,250,000 pink, 1,836,000 chum, and 225,000 coho salmon.

However, due to the variable environmental conditions encountered throughout the life cycle of these species, fluctuations in salmon production occur. For example, 2.5 to 1 is an accepted return per spawner relationship for sockeye salmon, but in recent years the actual return per spawner estimates for Kodiak's major sockeye salmon systems have approached 3.8 to 1 (Nelson, Personal Communication, December 1994). Using this RPS increases the estimated "potential harvest" to approximately 5,900,000 sockeye salmon for the KMA.

Supplemental Production

Two hatcheries located in the KMA produce salmon to supplement natural salmon production (Figure 2). The Kitoi Bay and Pillar Creek hatcheries are operated by the Kodiak Regional Aquaculture Association (KRAA). Kitoi Bay Hatchery, located on the east side of Afognak Island, has a rearing capacity of 230,000,000 eggs. The Kitoi Bay facility produces primarily pink salmon, however sockeye, chum, and coho salmon are also cultured. Outstocking of coho and sockeye fry or smolt occurs, but the majority of the salmon are intended to return to the hatchery for common property harvest. Pillar Creek Hatchery, with a rearing capacity of 20,000,000 eggs, is located north of the city of Kodiak at Monashka Bay. It is utilized primarily as an incubation facility for sockeye salmon stocking projects.

The Kodiak Regional Planning Team (KRPT)[3] identified sockeye salmon as the highest priority species for supplemental production (KRPT, 1992). KRAA and ADF&G are involved in limnological studies of KMA lakes and ongoing lake fertilization to increase sockeye salmon fry growth and survival. Frazer and Karluk Lakes were fertilized from 1984 to 1992, and Malina, Laura, Portage, and Afognak lakes are currently being enriched. Through the use of remote egg takes and hatchery incubation, sockeye salmon fry are being stocked at Spiridon, Hidden, Crescent, Jennifer, Little Kitoi, and Waterfall lakes. Additionally, sockeye salmon juveniles are stocked into Malina, Laura, and Afognak lakes in conjunction with lake enrichment to restore run potential to optimum levels.

[3] The RPT is a group consisting of representatives of ADF&G, regional aquaculture associations, and the public, mandated by Alaska Statutes (16.10.375-470) to develop and amend comprehensive salmon production plans for salmon production regions.

ADF&G Sport Fish Division annually stocks chinook and coho salmon fingerlings and smolt to enhance sport fishing opportunities (Schwarz 1995). Chinook salmon smolt have been stocked into Island and Mission Lakes near the city of Kodiak. Coho salmon presmolt have been stocked into Island, Kalsin, Mayflower, Dark, Mission, Orbin, and Potato Patch Lakes near the city of Kodiak, into Crescent Lake near the city of Port Lions, into Ouzinkie Lake on Spruce Island near the city of Ouzinkie, and into Little Kitoi, Hidden, and Jennifer Lakes on Afognak Island. Most of the coho salmon stocking is intended to produce put-and-take fisheries, where all returning adults are expected to be harvested, and no escapement and subsequent spawning is possible.

Supplementing KMA salmon fisheries is an ongoing long term project, with the first significant harvestable adult sockeye returns occurring in 1994. The *Kodiak Regional Comprehensive Salmon Plan* states an objective of increasing the harvest of salmon (over and above the KMA wild salmon harvest) by an additional 3,000 chinook, 1,700,000 sockeye, 383,000 coho, 11,500,000 pink, and 1,100,000 chum salmon by the year 2002 (KRPT 1992).

"Nonlocal" Salmon in the KMA

Salmon tagging studies have been conducted in the KMA to aid in management of commercial fisheries by estimating the stock composition present at a particular time and place, and to determine average travel time of major stocks through fishery management units. The earliest tagging study was done in 1927 (Rich and Morton 1929) and there were intermittent tagging studies through 1981 (Bowe 1941; Bevan 1959; Simon et al. 1969; Nicholson 1978; Tyler et al. 1986). Most occurred along the south and west sides of the Kodiak Archipelago to learn more about the migration pathways of sockeye salmon traveling to the major systems of Kodiak (Karluk, Ayakulik, Upper Station, and Frazer). Sockeye salmon tagging was also conducted along the north and east sides of the archipelago (Tyler et al. 1986), and at the south west end of the KMA along the Alaska Peninsula near Wide Bay (Simon et al. 1969). Salmon migrating through KMA waters to the Chignik and Cook Inlet Management Areas were documented in some studies. Also documented were salmon migrating through portions of Cook Inlet bound for Kodiak streams[4]. Recently, small numbers of chinook salmon bearing coded wire tags (CWT) have been found in the Kodiak commercial salmon catch. These tagged chinook salmon originated from hatcheries in Southeast Alaska, British Columbia, Washington, and Oregon (Clark et al. 1994).

Recent stock composition studies in the KMA have used scale pattern analysis, run timing, and analysis of shifts in average weights of commercial catches (Barrett and Swanton 1992; Barrett and Nelson 1994; Vining and Barrett 1994). Samples of KMA spawning chinook, sockeye, and chum salmon have been collected to establish baseline data for genetic stock identification.

[4] Salmon tagging studies conducted along the southwestern Alaska Peninsula and in Cook Inlet documented KMA salmon stocks migrating through those management areas (Rich and Morton, 1929).

SALMON STOCK STATUS

Chinook Salmon

The Kodiak area has two naturally occurring chinook salmon populations, in the Ayakulik and Karluk Rivers. A small introduced chinook salmon run occurs in the Dog Salmon River. There are no directed commercial fisheries targeting these stocks and any commercial harvest occurs in fisheries targeting sockeye and pink salmon. Sport fishing on chinook salmon runs in the Ayakulik and Karluk Rivers is increasing, as commercial sport fish operators and recreational anglers continue to discover fishing opportunities in the Kodiak area. In the Dog Salmon River, to aid establishment of a viable spawning stock, sport fishing for chinook salmon is prohibited.

There are two introduced chinook runs. In the late 1970's eggs taken from Chignik River chinook salmon were used to establish a chinook run at the Pasagshak river, accessible by road to Kodiak sport fishers. The productivity of this run has been less than expected, and chinook sport fishing has remained closed in Pasagshak River. The second introduced chinook salmon run is located at Mill Bay near the city of Kodiak. This introduction was designed to support put-and-take recreational fisheries. Since 1989 ADF&G Sport Fish Division has annually stocked up to 100,000 chinook salmon presmolt into Island Lake, from the Elmendorf Hatchery in Anchorage.

Currently, chinook salmon stocks are considered healthy. Escapements have been within the desired range annually since 1982, while the upper escapement goal has been met or exceeded each year since 1987 (Table 4, Figure 5). The recent ten year average escapement (1984-1994) has been 21,400 chinook salmon. Harvests have increased as well, for the subsistence, sport, and commercial fisheries (Tables 5, 6, and 7). The recent ten year average commercial harvest has been approximately 17,100 chinook salmon (Table 5, Figure 6).

Sockeye Salmon

There are 39 known sockeye salmon runs in the KMA. Large returns (greater than 500,000 fish) occur in four lake systems: Karluk, Ayakulik, Upper Station, and Frazer (Dog Salmon River). The first three support naturally occurring runs, while the Frazer Lake sockeye stock is a very successful introduced run. There is a large set of falls below Frazer Lake which blocks natural migration; this run is maintained through the use of a large "fish ladder".

These systems provide approximately 80% of the current KMA sockeye salmon production. Directed fisheries on these stocks are intense and require extensive management activities from June 5 through September 20. The Karluk and Upper Station systems have distinct early (May 25 through July 15) and late runs (July 16 through September 20). Frazer is primarily an early returning stock with most sockeye entering fresh water by July 20. Ayakulik also has an early returning stock which continues into mid August. The overall escapement goals for these four major systems have been achieved annually since 1988.

Twelve sockeye systems have minor but significant runs. These include the Afognak, Uganik, Akalura, Saltery, Kaflia, Pauls, Buskin, Swikshak, Little, Malina, Thorsheim, and Perenosa

systems. These systems annually account for approximately five percent of KMA's current sockeye salmon production. Escapement into each system is generally less than 60,000 sockeye salmon. These minor stocks offer a relatively high yield per unit effort to directed commercial seine effort, and so, are vulnerable to overexploitation. However, the sockeye salmon run into Buskin Lake is not targeted by a commercial fishery. Surplus Buskin Lake sockeye salmon are currently harvested in a subsistence fishery and, to a lesser degree, in a recreational sport fishery. All minor sockeye salmon stocks are considered to be moderately healthy with the exception of Malina, Pauls, and Perenosa. A more conservative management approach for these systems is currently in effect.

The remaining 23 systems are comparatively minor systems and are not usually exploited by directed commercial effort.

Commercial salmon harvest strategies have not limited sockeye salmon subsistence or sport fishing opportunities in the KMA. Both the Buskin and Barabara sockeye stocks receive substantial subsistence effort due to their proximity to communities. These two systems may be approaching maximum exploitation from subsistence effort alone. Sport fish interest in Barabara is low, while the Buskin is receiving increased effort. These systems will require close monitoring in the future to ensure biological protection and that future subsistence use will not be jeopardized.

As mentioned previously, the Kodiak Regional Planning Team (KRPT) established sockeye as the priority species for supplemental production (KRPT 1992) . Currently, the Kodiak Regional Aquaculture Association (KRAA) in conjunction with ADF&G is active in providing additional sockeye salmon production, both by introducing sockeye runs into previously unutilized lakes and by enhancing weak natural runs. KRAA and ADF&G are involved in limnological studies of KMA lakes and ongoing lake fertilization to increase sockeye salmon fry growth and survival. Lake fertilization has been conducted on the Malina, Pauls, Perenosa, Frazer, and Karluk systems. Through the use of remote egg takes and hatchery incubation, sockeye salmon fry are being stocked to enhance future sockeye salmon harvest potential. Stocking of sockeye salmon is occurring at Spiridon, Hidden, Crescent, and Waterfall Lakes (Figure 3).

Overall, sockeye stocks are healthy. The lower escapement goal for KMA sockeye salmon has been met or exceeded annually since 1984 (Table 4, Figure 7). Commercial harvest has averaged 3,384,900 sockeye salmon over the 1984-1994 period (Table 5, Figure 8).

Pink Salmon

All salmon streams within the KMA support pink salmon runs. Pink salmon represent the foundation of Kodiak salmon production, and may comprise over 80% of the total annual harvest (Table 5). Primarily due to the cyclic production from Ayakulik and Karluk Rivers, pink salmon runs are usually larger during the even numbered years. However, since 1989 odd year production has surpassed even year production[5].

[5] Kodiak odd year pink salmon production was generally greater than even year production prior to 1948. The mechanism which has led to switches in odd vs. even year dominance is not known. Pink salmon survival and subsequent returns are strongly influenced by environmental factors (Groot and Margolis 1991). It has been speculated that adverse environmental factors are responsible for the recent shift to odd year dominance, and that this switch is temporary.

Except for occasional local variations, pink salmon stocks are considered very healthy. Wild stock pink salmon production should remain above average as long as existing management strategies are retained (to ensure adequate escapement) and adverse environmental conditions do not persist. Escapement goals have been met or exceeded in each year since 1975 (Table 4, Figure 9). Over the last 10 year period (1984-1994), the annual harvest has averaged 11,759,100 pink salmon. In the past 5 even year cycles (1984-1994) the pink salmon harvest averaged 9,086,400, and in the past 5 odd year cycles (1983-1993) the pink salmon harvest averaged 13,535,300 (Table 5; Figure 10).

The Kitoi Bay Hatchery on Afognak Island primarily produces pink salmon. In recent years returns to this hatchery have ranged from approximately 1 million to 13 million pink salmon.

Chum Salmon

Chum salmon are present in at least 150 streams of the KMA. Chum salmon management has received increasing emphasis. Increases in directed fishing on specific chum salmon stocks combined with efforts to harvest better quality fish (bright vs. dark fish) requires that more intensive chum salmon stock management strategies continue to be developed to prevent overexploitation. Currently, management staff are evaluating chum salmon escapement goals, historical harvest and escapement data, age class information, and inseason harvest and escapement data to improve management of this species. It may be possible to improve chum salmon management by developing improved escapement estimation methods and implementing a catch sampling program to collect more age class data.

Chum salmon production has been variable, and has been at low levels for the past 3 years. Escapement estimates have been near or above the targeted goal (1 million fish) in only 2 of the past 10 years, though the minimum escapement goal has been achieved in 8 of the past 10 years[6] (Table 4; Figure 11). The annual commercial harvest for the last 10 years (1984-1994) has averaged 793,600 chum salmon (Table 5; Figure 12).

The Kitoi Bay Hatchery is developing an early run chum salmon return to the hatchery. In recent years the majority of chum salmon returning to the hatchery have been needed for brood stock. Significant supplemental production is expected to occur in 1995.

Coho Salmon

About 174 systems have been identified which support coho runs in the KMA. Twenty percent of coho salmon systems (35 streams) produce 80% of the total production. The other 80 percent (139 streams) of the coho runs are relatively small and are considered more susceptible to overexploitation. To provide adequate protection for these smaller stocks all user groups must be monitored inseason for potential changes in harvest rates that do not correspond with fluctuation in run strength.

---

[6] Low escapement counts for chum salmon may be related to factors other than absolute abundance. Complete estimations are hampered by difficulties associated with surveying chum salmon populations.

The Kitoi Bay Hatchery, located on Afognak Island, produces coho salmon for returns to the hatchery. Coho salmon smolt are also produced for stocking, to provide additional sport and subsistence fishing opportunities. These are primarily put-and-take operations, with all returning adults expected to be harvested, with no escapement and subsequent spawning possible. Coho salmon have also been stocked into streams and lakes along the Kodiak road system, and into small lakes near the communities of Port Lions and Ouzinkie.

In recent years, coho salmon have experienced a large increase in exploitation by commercial, sport, and subsistence users (Tables 5, 6, and 7). The escapement goal for this species has been achieved annually since 1983 (Table 4; Figure 13). Over the past 10 years (1984-1994) commercial harvests have averaged 269,000 coho salmon (Table 5; Figure 14). Most stocks appear healthy.

COMMERCIAL SALMON FISHING ACTIVITY

The salmon resources of the KMA have been exploited commercially for over 150 years (Roppel 1986). The first commercial fisheries were small salted salmon ventures by the occupying Russians in the early 1800's. Salmon streams were blocked and salmon captured as they became schooled behind these barriers. Sockeye salmon returning to the Karluk River brought fishermen and processors to Kodiak soon after the territory was transferred from the Russians in 1867. A record of commercial sockeye salmon harvest dating back to 1882 exists (Table 5). Intense competition led to expansion of the fishery to other areas and species. By the early 1900's fisheries for coho, pink, and chum salmon had developed.

Commercial Gear Use

Beach seines were the first gear type effectively used commercially. In the late 1800's, beach seines 40 fathoms in length were used to harvest sockeye salmon in Karluk Lagoon. As competition for fish grew the primary harvest location for Karluk sockeye salmon moved outside the lagoon, using heavily manned beach seines averaging 450 fathoms in length. The first fish trap was built in Kodiak in 1896, and until the late 1950's the Kodiak commercial salmon fishery was dominated by cannery owned fish traps, with some independent fishers owning purse seine, beach seine and set gillnet operations. When Alaska was granted statehood in 1959, fish traps were prohibited, and the commercial salmon fishery was conducted by purse seine, set gillnet, and beach seine gear (in decreasing order of abundance). In 1974 a "limited entry system" was adopted by the State of Alaska which restricted the number of individuals allowed to participate in commercial salmon fisheries. This system formally established post statehood levels of purse seine, beach seine, and set gillnet gear participation.

There are 611 commercial salmon permits available for the KMA: 387 purse seine (the second largest purse seine fleet in the state), 34 beach seine, and 190 set gillnet. Actual numbers of permits fished annually varies slightly, possibly due to preseason perceptions of price and forecasted run strength (Table 8). Seventy-eight percent (78%) of KMA permits are owned by Alaska state

residents, with ownership varying little since 1987 (Table 9). Sixty-one percent (61%) of all permits are owned by Kodiak area residents, representing all communities (Table 10).

Commercial Fishery Management Units

The KMA is one of 13 designated salmon net registration areas in the State of Alaska. Inseason management of the commercial salmon fishery is structured around 7 districts subdivided into 52 sections (Appendices A.1-A.8). These sections are occasionally subdivided inseason to adjust fishing effort on unexpected salmon surpluses or deficits. Each management unit (section) defines a traditional geographic harvest area, managed for specific stocks or traditional fishing patterns.

Commercial Gear Areas

In the KMA there are restrictions on which gear types can operate in specific management units, based on historical gear use patterns (Appendix C.). Both purse and beach seine gear are allowed to operate in the entire management area, except for the Moser-Olga Bay Section of the Alitak Bay District, where set gillnets are the only legal gear[7]. In the Central Section of the Northwest Kodiak District both set gillnet and seine gear are allowed. Since 1974, the geographical areas currently open to specific gear types have, with few exceptions, remained unchanged.

In the mid 1970's, that portion of the Karluk District between Rocky Point and Cape Uyak was closed to set gillnet gear in an attempt to accelerate the rebuilding of the Karluk sockeye and pink salmon stocks. No gillnet gear had fished there since the early 1960's. Several purse seine locations within this area, which could impact Karluk stocks, were brought under direct management control. This area was used to provide an expanded closed water sanctuary for severely depleted Karluk sockeye and pink salmon stocks.

In the late 1970's, a gear and area adjustment occurred in the Alitak District. The common boundary between the Cape Alitak, Moser-Olga Bay, and Humpy-Deadman Sections was adjusted in an effort to reduce gear conflicts caused by an unclear boundary description. The area open to set gillnet gear was reduced from Cape Alitak to Tanner Head and was increased in Deadman Bay to a point northwest of Fox Island. In the mid to late 1980's, there were two adjustments made to boundaries in the Moser-Olga Bay Section to allow for continued use of set gillnet sites; one adjustment was in the closed water portion of Chip Cove and the other at the north end of the "Fox Island line".

In the late 1970's, a gear and area adjustment was made in Zachar Bay to alleviate fixed and mobile gear conflicts. Closed water sanctuary markers were reduced (moved further into the bay) and the new area was designated "seine gear only". The creation of this small area adjacent to the closed

[7] Prior to Alaska being granted statehood, this management unit was designated set gillnet only. In 1970 this rule was amended such that the Moser-Olga Bay Section remains gillnet only prior to September 5. Seine gear is then legal in the entire Alitak Bay District. The Dog Salmon Flats, Inner and Outer Akalura, and the Inner and Outer Upper Station Sections are normally closed to commercial fishing. In the event of over escapement "mop up" fisheries can occur in these sections. Prior to September 5 only set gillnet gear would be allowed in these sections.

waters within Zachar Bay was consistent with that of other major westside Kodiak bays. In the early 1990's, a slight modification was made in the "seine gear only" boundary of the Spiridon Bay Section, to allow a traditional gillnet site to be legally fished.

Also, due to confusion between state and federal regulations, the Alaska State Board of Fisheries in 1989 specified that KMA commercial salmon fishing activities should be restricted to waters located within the State of Alaska territorial sea boundary (three mile limit). Kodiak ADF&G staff issued emergency orders to close waters seaward of the state territorial sea boundary. Beginning in 1993, a new regulation was in effect which states that all district and section boundaries do not extend beyond the three mile limit.

Commercial Salmon Processing

Commercial salmon processing within the KMA began in the late 1860's with small salting and pickling operations located around Kodiak Island near major harvest areas. In 1882 processing evolved to canning, when the first cannery was built at Karluk. Kodiak's processing plants have further evolved from those scattered, seasonally operated, canning operations to today's efficient multi-tasked plants, mainly congregated within the city of Kodiak. The majority of these plants are now year-round operations, processing crab and groundfish in addition to salmon. Kodiak processors produce fresh and frozen salmon products, supplemental to canned salmon. Recent technology used in processing other fish species has been adapted to salmon processing, yielding new, diverse salmon products (such as fillets, surimi, hams, nuggets, and burgers).

Up to 15 salmon buyers participate annually in KMA salmon fisheries. Processing plants are located in the city of Kodiak, Port Bailey, Uganik Bay, Larsen Bay, and Alitak Bay (Figure 2). The latest estimate of the sustained processing capacity of Kodiak's shorebased salmon processors is approximately one million salmon per day. With this high processing capacity, it is common for Kodiak processors to "import" salmon harvested elsewhere in the state. At times, salmon from Bristol Bay, Cook Inlet, Prince William Sound, Alaska Peninsula, and Chignik Management areas are processed in Kodiak plants.

ADF&G Commercial Salmon Fishery Staff Involvement

ADF&G's Commercial Fisheries Management and Development Division (CFMDD) is responsible for the management of commercial harvest activities on Alaska's salmon stocks. In addition to direct management activities ADF&G operates a number of field projects to collect data necessary for the management of the salmon resources (Appendix D.1). KMA staff responsible for regulation of the commercial salmon fishery consists of an Area Management Biologist, two Assistant Area Management Biologists, and approximately 15 seasonal employees. The Kodiak salmon research staff includes an Area Research Biologist and approximately 10 seasonal employees. A Regional Salmon Management Biologist and a Regional Salmon Research Biologist oversee these operations (Appendix D.2). The Kodiak salmon development staff (formerly the Fisheries Rehabilitation and Enhancement Division) includes an Area Biologist, and Assistant Area Biologist, and approximately 10 seasonal employees (Appendix D.3). Biologists and technicians from the

Division of Sport Fish, Alaska State Parks, U.S. Fish and Wildlife Service (Kodiak National Wildlife Refuge), and KRAA, aid in the collection of data during the salmon fishing season.

Preseason Activities

Forecasts

Preseason salmon forecasts are developed jointly by management and research biologists. Pink salmon returns are predicted by broad geographic area, while individual forecasts are made for major sockeye salmon stocks. Projected harvests are estimated by fishery and area (Table 11).

The pink salmon forecast is based on a preemergent pink salmon sac fry survival study. This study has been conducted each spring by the management staff since 1966. This annual program examines pink salmon overwinter egg to fry survival in specific streams during March and April. Each year, data are compared to previous years' results to develop a preseason forecast of return and potential harvest. The pink salmon forecasts are reliable in projecting extremes for major systems and total production. This forecast assists managers in making preseason decisions concerning fishing time and areas open to fishing, especially during the early portion of the pink salmon run (Appendices E.1 - E.3).

System specific sockeye salmon forecasts are developed for major stocks (Karluk and Upper Station early and late runs, and Ayakulik and Frazer runs; Appendices E.4 - E.9). Information which is used to develop these forecasts are: previous run strength information (escapement and catch); sockeye salmon smolt outmigration data; and samples of sockeye salmon escapement and commercial catch age data.

Formal forecasts are not prepared for chinook, minor system and nonlocal sockeye, coho, or chum salmon. Potential harvest is estimated by the Area Management Biologist based on previous escapements and observed escapement/return relationships. Similarities exist between pink and chum salmon freshwater and early marine survival. Pink salmon forecasting information (egg to fry overwinter survival estimates) are used along with escapement data to predict chum salmon production.

Inseason Activity

By regulation, the commercial salmon fishing season in the Kodiak Management Area may extend from June 5 through October 31 (State of Alaska 1993b). Inseason management activities focus on daily evaluations of actual run strength in comparison to preseason expectations (forecasts) by species. Commercial salmon fisheries may be allowed if there appears to be salmon surplus to escapement needs.

Escapement Estimation

The majority of sockeye and all chinook salmon escapement counts are obtained with the use of fish weirs (Brodie 1994). Weirs are used on up to 12 different spawning systems (Table 12; Figure

2). Escapement counts through fish weirs are hand tallied total counts, by species. Sonar, video, or timed periodic counts are not used. Escapement gates are closed when personnel are not present to count. All four major sockeye salmon systems and several of the minor sockeye salmon systems are monitored by seasonal ADF&G staff at fish weirs. The remainder are monitored by aerial observation using small fixed wing aircraft. Escapement counts are collected daily from fish counting weir stations by single side band radio contact. The timely and accurate data from weir camps allows for precise stock specific management.

While some pink, chum, and coho salmon escapement counts are obtained from weirs, most estimates of salmon buildup and escapement counts are collected from frequent fixed wing aircraft surveys of bays and streams, plus a few on site stream surveys. Aerial survey and foot survey counts are considered an index of the actual escapement, for use inseason to aid fishery management. A "peak indexed escapement" estimate is calculated postseason for all systems surveyed, and together with weir escapement data, an area wide escapement estimate is made (Table 4).[8]

Prosecuting and Monitoring Commercial Fisheries

Since 1971 actual fishing time has been regulated inseason based on actual run strength, through the use of Emergency Orders (EO) and News Releases (NR). With analysis of all available data, the KMA management biologist writes an EO which describes details for upcoming or continued commercial salmon fishing periods (specific details of when and which areas will open to fishing). The EO describes the starting date, time, and duration of the fishery along with the geographical areas (Districts, Sections, or subsections) which are opened or closed to fishing, and in effect creates a new regulation. A News Release is then issued which publicly announces the fishery.

The management staff's inseason duties include daily contact with all salmon buyers to obtain current harvest information by area and species. Also, staff have daily contact with fishermen to discuss run strength and distribution along with obtaining feedback concerning inseason management activities. As the season progresses, copies of fish tickets (harvest report for an individual landing) are collected from processors and tenders, and this information is entered into a computer database. Inseason fish ticket summaries are made and compared to previous verbal reports to refine the catch estimate to date.

Additional inseason information on returning sockeye salmon run strength in the Alitak Bay District (the Frazer and Olga Lake stocks) is obtained from an ADF&G test fishery in Olga Narrows. A 50 fathom gillnet is fished each day for a set time in a set location. Results are compared with past test fisheries and known returns, to help predict the number of salmon passing through Olga Narrows.

[8] Expansion of index counts to estimate total return strength can be accomplished by various methods, and is done postseason by research staff. All escapement values in past Annual Management Reports are total counts from weir plus index counts, and this document follows that pattern.

Commercial Salmon Harvest Strategy

There is a general chronology related to salmon run timing by species within the KMA (Figure 15). Generally, there are "early run" sockeye salmon present throughout June to about mid July, and "late run" sockeye salmon are available from mid July through early September. Pink and chum salmon are available from July through August. Coho salmon are present from about August through October. Commercial salmon fisheries are structured around the seasonal abundances of salmon. Inseason management actions follow a generalized plan described in an annually issued "Harvest Strategy". This strategy recognizes a specific chronology of management actions related to salmon run timing by species (Table 13). From June through early July the primary management specie on which fisheries are targeted is sockeye salmon, with some concerns for local early run chum stocks; from early July through mid August the primary management species is pink salmon, with local areas managed specifically for local sockeye or chum salmon stocks; from mid August through early September late run sockeye and chum salmon are the primary management species, with targeted coho salmon fisheries management occurring after early September.

Board of Fisheries Approved Regulatory Management Plans

Guiding the KMA staff are several Alaska Board of Fisheries (BOF) approved "Management Plans" (MP) that describe biological and allocative constraints which the management staff must follow when structuring commercial salmon fisheries. Seven regulatory MP's were in effect for the KMA in 1994 (Table 14). These plans are part of the Kodiak Area Commercial Salmon Fishery Regulations (Appendix C). These management plans reflect traditional fishing opportunities and the subsequent harvest allocations which have resulted between and within gear types participating in specific fisheries.

Three plans establish in regulation the harvest strategies which have developed over time to maintain the biological integrity of local salmon stocks and the allocative concerns of local fishers: the Alitak Bay District MP, the Westside Kodiak MP, and the Eastside Afognak MP. Two plans affect Kodiak purse seine fishers ability to target on salmon migrating through the KMA to spawning systems in the Chignik and Cook Inlet Management Areas: the Cape Igvak MP and the North Shelikof Strait Sockeye Salmon MP. Two plans allocate stocked salmon from put-and-take fisheries developed by ADF&G and KRAA: the Crescent Lake MP, and the Spiridon Bay MP. Normally the intent of these plans are that salmon should be harvested as much as possible in "traditional" fisheries located in the management units covered by the plans.

1994 SEASON SUMMARY

Salmon Forecast

Salmon returning to Kodiak in 1994 originated from the sockeye escapements achieved in 1988 through 1990 (Table 15), chinook escapements achieved in 1988 through 1990, the pink salmon escapements in 1992, the chum salmon escapements in 1989 to 1991, and the coho salmon escapements in 1990 and 1991. The forecasted commercial harvest of sockeye salmon was 2.44 million fish, which included formal forecasts of the major sockeye systems of Ayakulik, Frazer,

Upper Station, and Karluk (Appendix E.4.- E.9.), plus estimated harvests from minor sockeye systems, from Cape Igvak harvest of Chignik bound sockeye salmon, and others (Table 11). For pink salmon, a harvest of 12.3 million wild pink salmon (range 10.8 to 13.7), plus a 1.4 million harvest of hatchery produced pink salmon (range 1.4 - 4.1), was predicted. The total 1994 KMA pink salmon harvest was forecasted at 13.7 million (Appendix E.1.). Also, the forecast called for a harvest of 620 thousand chum, 21 thousand chinook, and 325 thousand coho salmon (Table 11). These figures include supplemental production from enhancement projects operated by ADF&G and KRAA (Table 16).

Harvest Strategy

The Kodiak Area Commercial Salmon Fishery Harvest Strategy, 1994, RIR 4K94-21, (Prokopowich et al. 1994) was released at the beginning of June 1994. This document contained a synopsis of the expected chronology of the 1994 commercial salmon fisheries by species (Table 13), projections on expected escapements and the expected harvest, an overview of new regulations in effect in 1994, and a rundown of the regulatory plans which guide management throughout the season (Table 14).

The harvest strategy listed the initial opening date of the salmon fishery, targeting early run sockeye salmon, as June 9 (Table 13). This was to be a 33 hour test fishery (no extensions), to allow management an opportunity to use the commercial catch as an indicator of the sockeye salmon run strength. The areas to be opened included the Alitak Bay District, and the Northwest Kodiak District, and the results of this commercial test fishery were to be used as a management tool to aid in evaluating the actual return strength of the Karluk, Ayakulik, Frazer, and Upper Station early run sockeye stocks. The second fishing period was scheduled for June 14, with extensions possible if the sockeye escapements were within or above desired levels. Additionally, it was noted that at this time more areas generally open, if local minor sockeye stock escapements warrant it. After June 15 additional fishing time is based solely on the strength of the sockeye returns, as determined by escapements. The initial fishing period targeting pink salmon was listed as July 6, and projected weekly fishing periods for the months of July and August were given, based on the predicted pink and chum salmon return strength (Table 17).

General Harvest Information

The 1994 Kodiak commercial salmon season began on June 9 with a 33 hour fishing period in the Alitak Bay and Northwest Kodiak District. The last reported landing was on October 12. In 1994, 45 EOs were released inseason, describing hundreds of individual management actions (Figure 16, Appendix F.1).

Throughout the 1994 season, a total of 17 different buyers and/or processors, representing 14 companies were involved in the fishery (Table 18). Only 509 of 613 permit holders actually participated in 1993, making a record 21,560 deliveries. By gear type, a total of 286 purse seine, 5 beach seine, and 169 set gillnet permit holders fished (Table 8 and 19). Only 12,098,000 salmon were harvested, much lower than preseason forecast of 17,113,000 (Table 20). Purse seine fishers

harvested 80.62 percent, set gillnet fishers caught 19.21 percent, and beach seine fishers took only 0.17 percent of the 1994 salmon harvest (Table 19).

Chinook salmon were harvested incidentally during directed sockeye and pink salmon fisheries. In 1994 approximately 22,600 chinook salmon were harvested (average weight 13.73 lbs; Table 21), which was slightly below the preseason harvest expectation of 25,000 fish (Table 20) and above the past ten year average (1984-1994)[9] of 17,100 chinook (Table 5).

The 1994 harvest included 2,877,000 sockeye salmon (average weight 4.98 lbs, Table 19 and 21). The actual harvest was slightly above the preseason forecast of 2,428,100 sockeye salmon (Table 20), and below the past ten year average (1984-1994)[6] of 3,384,900 sockeye (Table 5) . Late run sockeye harvest attributed to the Karluk and Ayakulik fisheries was less than average, however were stronger than expected in 1994. The enhanced return to the Spiridon River was also larger than expected (Table 20).

The 1994 pink salmon harvest of 8,162,600 fish (average weight 3.81 lbs, Table 19 and 21) was well below the preseason forecast of 13,700,000 (Table 20), and was below the average of the last six even year returns (1984-1994) of 9,086,400 pink salmon (Table 5). The 1994 pink salmon harvest was above the past two even year harvests (3.3 million in 1990 and 6.0 million in 1992), but well below the 1993 record harvest of 34 million. Pink salmon production was highly variable, with some systems as well as the Kitoi Hatchery return exceeding forecast while the major even year dominant systems of Karluk and Ayakulik and systems of the Mainland District produced well below forecast (Table 20).

The 1994 chum salmon harvest of 738,800 fish (average weight 7.43 lbs, Table 19 and 21) was greater than the preseason harvest expectation of 610,000 fish, with only the Afognak and Mainland District fisheries harvesting less than expected numbers of chums (Table 20). This harvest is near the recent 10 year average harvest (1984-1994)[6] of 793,600 chum salmon (Table 5).

A total of 296,300 coho salmon (average weight 8.69 lbs, Table 19 and 21) were harvested in 1994, below the preseason harvest expectation of 325,000 coho (Table 20). This harvest is greater than the recent 10 year average harvest (1984-1994)[6] of 268,700 coho salmon (Table 5).

As mentioned previously there are several regulatory management plans and harvest strategies which influence the management of the KMA salmon fisheries. Each of these management plans, and the 1993 KMA salmon fisheries which occurred in accordance with them are described in detail in the following Appendices:

Appendix G -	The Cape Igvak Salmon Management Plan (5AAC 18.360)
Appendix H -	The Alitak Bay District Salmon Management Plan (5AAC 18.361)
Appendix I -	The Westside Kodiak Management Plan (5AAC 18.362)
Appendix J -	The North Shelikof Strait Sockeye Salmon Management Plan (5AAC 18.363)
Appendix K -	The General Pink Salmon Fishery and the Eastside Afognak Management Plan (5AAC 18.365)

[9] 1989 not included in averages, due to closure of the majority of the KMA in response to the Exxon Valdez oil spill.

Appendix L - The Crescent Lake Coho Salmon Management Plan (5AAC 18.364)
Appendix M - The Spiridon Lake Sockeye Salmon Management Plan (5AAC 18.366)
Appendix N - The Minor Systems Sockeye Salmon Fisheries.

Appendix O contains detailed tables of the 1994 commercial salmon harvest in the Kodiak Area, broken down by catch by week for each management unit, all gear combined (Appendix O.1), and catch by day for each statistical area, for each gear type (appendix O.2).

Exvessel Value

The exvessel value of the Kodiak commercial salmon fishery represents the average price paid to permit holders and generally does not include tender fees. Since the early 1970's the overall exvessel value of the KMA commercial salmon fishery has ranged from a low of $2,094,000 (1973) to a high of $103,817,000 (1988) for all permit holders combined (Table 22). The average exvessel value for the last ten years (1984-1994)[6] is $41,622,000 (Figure 17). The estimated exvessel value of the 1994 salmon harvest is $27,524,000, the lowest value since 1985. Low numbers of fish harvested and depressed prices for sockeye and pink salmon both contributed to the low exvessel value. Purse seine harvest accounted for 71% of the total exvessel value, averaging $68,000 for each permit fished. Beach seine harvest accounted for less than 1% of the value, averaging $9,500 per permit fished. Set gillnet harvest accounted for 29% of the total value, averaging $47,500 per permit (Table 19).

Prior to the mid 1980's, pink salmon were considered the "bread and butter" fish since they consistently accounted for most of the annual value. In recent years, extensive efforts at rebuilding Kodiak sockeye production have begun to pay off. Sockeye salmon have now become the "money fish" mainly due to increased production from Kodiak's sockeye systems combined with relatively low prices recently paid for pink salmon (Table 21). By species, in 1994 the chinook salmon harvest was worth $218,600 (0.8%), the sockeye harvest was worth $18,595,400 (67.6%), pink salmon $5,618,400 (20.4%), chum salmon $1,282,000 (4.7%), and coho salmon $1,809,400 (6.6%) (Table 19).

Escapement

In 1994, fish counting weirs were operated on the major systems of Karluk Lake (at Karluk Lagoon), Red Lake (at the Ayakulik River outlet), Frazer Lake (at the Dog Salmon River outlet), and Olga Lakes (at the outlet of Olga Creek at Upper Station), and also on the smaller systems of Afognak Lake, Buskin Lake, Saltery Lake, Laura Lake (at Pauls Bay), Malina Lake, and Akalura Lake (Table 12, Figure 2). In 1994, 7 observers flew 40 aerial surveys of KMA streams, and 9 observers surveyed 30 streams on foot. A total of 579 escapement observations were made (Appendix P.1 - P.3.). In 1994, the KMA overall salmon escapement goals were achieved for all species (Table 23).

The overall chinook salmon escapement goals, and individual goals for the Ayakulik and Karluk Rivers, were achieved. The Ayakulik River escapement was 9,138 chinook salmon, within the biological escapement goal range of 6,500 to 10,000. The Karluk River escapement was 12,050

chinook salmon, exceeding the biological escapement goal range of 4,500 to 8,000. An additional 385 chinook salmon were counted as escapement through the Dog Salmon weir. It is of interest to note that for the second year small numbers of chinook salmon were counted in the minor systems of Afognak (Litnik), Buskin, and Saltery, which do not have resident chinook populations. These fish are presumed to be strays from other systems, and could well be returns from smolt and fingerlings planted by the Sportfish Division at Mill Bay Beach, on the northeast end of Kodiak Island.

Sockeye salmon escapements for major and selected minor systems were monitored through the use of fish counting weirs. A total of 1,918,621 sockeye salmon were counted through KMA weirs (Table 12). An additional 122,890 sockeye salmon were counted by aerial survey as escapement into other systems such as Kaflia Lake, Uganik Lake, Little River Lake, and Swikshak Lagoon, bringing the 1994 total indexed sockeye salmon escapement to 2,041,511 fish (Table 23). The biological escapement goal range for all systems is 1,358,500 to 2,140,000 sockeye salmon. The Karluk River early run sockeye escapement was 253,590, just above the upper goal of 250,000, and the Karluk late run escapement was 594,439, exceeding the upper goal of 550,000 (Figure 18). The Ayakulik River sockeye escapement of 380,181 exceeded the upper goal of 300,000 (Figure 19). The Frazer system (Dog Salmon River) sockeye escapement was 240,913, which exceeded the upper goal of 200,000 (Figure 19). The Upper Station early run sockeye escapement was 37,645, below the lower goal of 50,000, and the late run Upper Station escapement of 221,675 was above the upper goal of 200,000 (Figure 20). The minor systems of Saltery and Afognak (Litnik) both had strong sockeye runs, with the escapements into both exceeding their upper goals (Figures 21). Sockeye escapement into the Malina system was near the lower goal[10] (Figure 22). The Buskin River sockeye escapement was strong, falling just short of the upper goal (Figure 22). Akalura and Pauls Bay systems both had poor sockeye escapements, well below the established goals (Figure 23 and 24). For unweired systems, most systems had fair sockeye escapements, though aerial estimates of Little River and Uganik River both were below the desired escapement levels (Appendix P.2 and P.3).

Though the 1994 pink salmon return was poor, pink salmon escapements overall were good. Limited fishing time in late July and early August allowed sufficient escapement to reach most systems. The overall indexed escapement for pink salmon was 3,994,020 fish, within the biological escapement goal range for even year pink salmon returns of 2,401,000 to 6,003,000 fish (Table 23). Escapements in all Districts were near or above the upper goals, except for the Mainland District where pink escapement was mid point between the established lower and upper goals, and the Southwest District where escapement fell far below the lower escapement goal. This is primarily due to a very poor return to the major systems of Karluk and Ayakulik (Appendix P.2 and 3).

The 1994 indexed chum salmon escapement of 545,391 fish was above the lower escapement goal of 510,000 fish (Table 23). Overall coho salmon escapements were very good, with the indexed escapement total of 206,418 exceeding the biological indexed escapement goal of 90,475 to 150,155 fish (Table 23). Escapements were good in all Districts (Table 23; Appendix P.1 to O.3.).

[10] Prior to 1993 the Malina system was unweired and the escapement goal of 5,000 to 10,000 sockeye was formed based on an indexed counts. Since 1993 this system has been weired, and limnological study indicates that the goal should be 10,000 to 20,000 sockeye (Kyle and Honnold, 1991).

OTHER KMA SALMON HARVESTS

Subsistence Salmon Fishery

Subsistence is the priority use of the salmon resources of the KMA and Alaska. Subsistence salmon permits, available only to State residents, are issued annually to obtain harvest data. Since 1989 KMA ADF&G staff has mailed out permits, regulations, and a map showing closed water areas to eligible residents (Appendix Q.1.-Q.3.), with additional permits are issued to Alaska residents at the Kodiak ADF&G office. Subsistence fishermen are requested to return their permits to ADF&G after the salmon season, listing areas fished by date and salmon harvest by species.

With few restrictions, the entire KMA is open to subsistence salmon fishing. Reported harvests have averaged 26,300 fish annually for the past 10 years (Table 6). Sockeye salmon account for 62% of the harvest, followed by coho salmon which accounted for 27%. The most utilized subsistence fishery areas include the north end of Kodiak Island and the southeast side of Afognak Island (Appendix Q.4.).

Salmon Sport Fishery

Since the early 1980's, commercial sport fishing activities have been increasing, particularly in remote areas of the KMA (Schwarz, 1994). Commercial sport activity includes lodge operations, charter vessels, guiding, and directed air charter flights. Although sport caught salmon may not be sold, the lodge, guiding, and charter activities may be considered commercial uses since the owner is compensated monetarily for directing and providing fishing opportunities. Most charter boat operations are based out of the city of Kodiak. Remote lodges are currently being operated at Karluk Lagoon, Ayakulik River mouth, Olga Bay, Larsen Bay, Old Harbor, Saltery Lake, Port Lions, Port Bailey, Raspberry Straits, Seal Bay, Port Williams, Zachar Bay, Uyak Bay, Ugak Bay, Uganik Bay, and Kukak Bay. Floating cabins are located in Paramanoff and Perenosa Bays. Fly in sport fishing areas include virtually all KMA chinook and sockeye salmon systems, and most major coho salmon systems.

Sport fishing activities are managed by ADF&G's Sport Fish Division. The KMA sport fishery salmon harvest is estimated by an annual Sport Fish Division statewide mailout survey. Sport fish salmon harvest varies each year, however looking at 5 year averages over the last 15 years (1978-82, 1983-87, and 1988-93) indicate an increased harvest (Table 7). The harvest averaged about 39,376 fish from 1988-93, a 21% increase from 1978-82. By species, the largest increases in sport fish harvest over time have been sustained by sockeye, chinook, and coho salmon. Pink salmon sport fish harvest has decreased. The average harvest from 1988-93 was 12,400 pink, 800 chum, 17,500 coho, 6,400 sockeye, and 2,200 chinook salmon.

LITERATURE CITED

ADF&G (Alaska Department of Fish and Game). 1993a. An atlas to the catalog of waters important for spawning, rearing, or migration of anadromous fishes; Southwestern Region, Resource Management Region III. Alaska Department of Fish and Game, Division of Habitat, Anchorage. Revised Feb. 11, 1993.

ADF&G (Alaska Department of Fish and Game). 1993b. Regulations of the Alaska Board of Fisheries for commercial fisheries in Alaska; Cook Inlet, Kodiak, Chignik. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Juneau.

Barrett, B.M., and C.O. Swanton. 1992. Estimation of the major sockeye salmon stocks contributing to the North Shelikof Strait Fishery of July 6-25, 1988-1992. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K92-43, Kodiak.

Barrett, B.M., and P.A. Nelson. 1994. Estimated run timing of selected sockeye salmon stocks on the west and east sides of Kodiak Island. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K94-6, Kodiak.

Bevan, D.E. 1959. Tagging experiments in the Kodiak Island area with reference to the estimation of salmon *(Oncorhynchus)* populations. Ph.D. Thesis, University of Washington, Seattle.

Bowe, W.T. 1941. Alaska fishery and fur-seal industries in 1938. U.S. Bureau of Fisheries, Report for 1939, Admin. Report 36, Washington, D.C.

Brodie, J.R. 1994. Kodiak Management Area salmon escapement cumulative counts for fish-weirs, 1985-1994. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K94-41, Kodiak.

Buck, E.H., W.J. Wilson, L.S. Lau, C. Liburd, and H.W. Searby. 1975. Kadyak; a background for living. Arctic Environmental Information and Data Center Publication B-75; University of Alaska, Anchorage.

Clark, J.H., D.N. McBride, and L.S. Timmons. 1994. Recent history of chinook salmon harvests in marine waters of southcentral Alaska: A compilation of harvest, size, and coded wire tag data by fishery, 1980-1993 and recommendations for future assessment. Alaska Department of Fish and Game, Sport Fish Division, Fishery Management Report No. 94-9, Anchorage.

Groot, C. and L. Margolis, Editors. 1991. Pacific Salmon Life Histories. University of British Columbia Press; Vancouver, British Columbia.

Kodiak Regional Planning Team. 1992. Kodiak regional comprehensive salmon plan, 1982-2002; Phase II Revision. Alaska Department of Fish and Game, Office of the Commissioner, Juneau.

Kyle, G.B. and S.G. Honnold. 1991. Limnological and fisheries evaluation of sockeye salmon production (*Oncorhynchus nerka*) in Malina Lakes for fisheries development. Alaska Department of Fish and Game, Division of Fisheries Rehabilitation, Enhancement, and Development, Report Series 110, Kodiak.

LITERATURE CITED (Cont.)

Nicholson, L.D. 1978. A summary of all known red salmon (*Oncorhynchus nerka*) tagging conducted on Kodiak Island, Alaska. Alaska Department of Fish and Game, Division of Commercial Fisheries, Unpublished Report, Kodiak.

Northern Economics with John Isaacs and Associates, ResourcEcon Resource Valuations. 1991. Commercial Fishing Industry Employment Data for the Gulf of Alaska. Technical Memorandum GOA-1, Minerals Management Service.

Prokopowich, D.L., K. Brennan, and D.R. Gretsch. 1994. Kodiak area commercial salmon fishery harvest strategy, 1994. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K94-21, Kodiak.

Prokopowich, D.L. 1995. An overview of the Kodiak management area commercial salmon fisheries with emphasis on management activities, harvest strategies, historical harvests, and effort distribution during July. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K95-12, Kodiak.

Rich, W.H. and F.G. Morton. 1929. Salmon tagging experiments in Alaska, 1927 and 1928. U.S. Bureau of Fisheries, Bulletin 45:1-23, Washington D.C.

Roppel P. 1986. Salmon from Kodiak: a history of the salmon fishery of Kodiak Island, Alaska. Alaska Historic Commission, Studies in History No. 216. Anchorage.

Schwarz, L.J. 1994. Area Management Report for the recreational fisheries of the Kodiak and Alaska Peninsula/Aleutian Islands Regulatory Area, 1993. Alaska Department of Fish and Game, Division of Sport Fish, Kodiak.

Schwarz, L.J. 1995. 1994 Area Management Report for the recreational fisheries of the Kodiak and Alaska Peninsula/Aleutian Islands Regulatory Area. Alaska Department of Fish and Game, Division of Sport Fish, Fishery Management Report No. 95-3, Anchorage.

Simon, R.J., J. Lechner, M.F. Eaton, and P.B. Jackson. 1969. Kodiak Management Area Annual Report, 1969. State of Alaska, Division of Commercial Fisheries, Region IV Report (unpublished), Kodiak.

Swanton, C.O., and P.A. Nelson. 1994. Contribution of Karluk and Upper Station late run sockeye salmon to the Sitkalidak, Alinchak, and Katmai Section July fisheries, 1992-1993. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K94-3, Kodiak.

Tyler, R.W., L. Malloy, D. Prokopowich, and K. Manthey. 1986. Migration of Sockeye Salmon in the Kodiak Archipelago, 1981. State of Alaska, Division of Commercial Fisheries, Finfish Data Report No. 1-85, Kodiak.

Vining, I. and B. Barrett. 1994. The use of average weight to estimate the amount of interception of non local sockeye within the Kodiak Management Area. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K94-5, Kodiak.

Table 1. Estimated number of salmon production systems per district, with species distribution, in the Kodiak Management Area, 1994.

Management District	Number of Streams[a]	Number of Streams with Each Species[b]				
		Chinook	Sockeye	Coho	Pink	Chum
Afognak	102	0	13	48	102	5
Northwest Kodiak	63	0	4	22	63	23
Southwest Kodiak	11	2	2	10	11	6
Alitak	30	1	5	15	30	14
Eastside Kodiak	116	1	8	32	116	47
Northeast Kodiak	26	0	1	20	26	9
Mainland	92	0	6	27	92	46
TOTAL	440	4	39	174	440	150

[a] The State of Alaska's Habitat Division identifies over 800 streams in the Kodiak Management Area which have documented use by anadromous fish (ADF&G 1993b). Many of these streams are very small and may only be used by pink salmon in years with very large returns. The streams identified in this table are depicted on the 1993 Kodiak Area salmon statistical map, and have documentable use each year.

[b] These estimates are based on current knowledge and, in fact, are expected to change as more system specific data is collected.

Table 2. Biological escapement goals for salmon, by species, by District, in the Kodiak Management Area, 1994.

DISTRICT	SOCKEYE ESCAPEMENT	PINK ESCAPEMENT		CHUM ESCAPEMENT	COHO ESCAPEMENT	CHINOOK ESCAPEMENT
	GOAL	GOAL		GOAL	GOAL	GOAL
		Minimum/Maximum				
	Minimum Maximum	Even Year	Odd Year	Minimum Maximum	Minimum Maximum	Minimum Maximum
AFOGNAK	83,000	83,000	148,00		13,500	
	154,000	249,000	444,000		23,600	
NORTHWEST	56,000	220,000	315,000	72,000	9,000	
	90,000	660,000	915,000	216,000	14,000	
SOUTHWEST	760,500	30,000	1,250,000	50,000	33,000	11,000
	1,201,000	90,000	2,550,000	150,000	52,000	19,000
ALITAK	386,000	212,000	162,000	38,000	10,500	100
	550,000	636,000	486,000	114,000	20,000	300
EASTSIDE	29,500	140,000	150,000	88,000	10,000	
	64,000	420,000	450,000	264,000	15,000	
NORTHEAST	10,000	110,000	120,000	20,000	10,475	
	15,000	330,000	360,000	60,000	16,555	
MAINLAND	33,500	215,000	256,000	242,000	4,000	
	66,000	645,000	768,000	726,000	9,000	
TOTAL	1,358,500	1,010,000	2,401,000	510,000	90,475	11,100
	2,140,000	3,030,000	6,003,000	1,530,000	150,155	19,300

Table 3. Potential vs. actual salmon production (wild stock) in the Kodiak Management Area, 1994.

SPECIES	PRODUCTION POTENTIAL			HARVEST		
	LONG TERM AVERAGE			POTENTIAL	ACTUAL	
	Targeted Escapement Goal[a]	Return Per Spawner[b]	Potential Total Return	Long Term Average	46 Year Average (1948-1994)[c]	10 Year Average (1984-1994)[c]
CHINOOK	15,000	2.5	37,500	22,500	5,000	17,000
SOCKEYE	2,100,000	2.5	5,250,000	3,150,000	1,220,000	3,385,000
COHO	150,000	2.5	375,000	225,000	104,000	269,000
PINK Odd Year	3,000,000	3.5	10,500,000	7,500,000	7,182,000	13,535,000
PINK Even Year	4,500,000	3.5	15,750,000	11,250,000	8,633,000	9,086,000
CHUM	1,020,000	2.8	2,856,000	1,836,000	784,000	794,000
TOTAL Odd Year	6,285,000	-	19,018,500	13,454,000	9,296,000	18,000,000
TOTAL EvenYear	7,785,000	-	24,268,500	16,483,500	10,747,000	13,551,000

[a] The expected indexed escapement within the biological escapement goal range. KMA fisheries are normally managed to achieve this level of escapement.

[b] Return per spawner will vary each year. These values are averages around which natural survival and return will fluctuate somewhat (Barrett, Personal Communication, October 1993).

[c] 1989 harvest data not included in estimates.

Table 4. Historical indexed salmon escapements by species in the Kodiak Management Area, 1962-1994.

Year	Chinook	Sockeye	Coho	Pink	Chum
1962		922,500		4,600,000	297,900
1963		502,227		1,026,075	75,520
1964		600,346		3,360,000	261,429
1965		561,980		772,874	67,156
1966		652,578		2,100,000	143,700
1967		720,683		698,710	136,079
1968	703	645,612		2,800,000	121,000
1969	7,752	592,020		1,581,335	77,285
1970	3,900	573,603		3,392,577	123,150
1971	4,524	456,197		1,070,173	249,327
1972	3,049	605,491		1,053,391	335,115
1973	4,762	543,111		604,592	258,044
1974	1,622	995,925		2,041,099	86,383
1975	3,059	704,801		1,100,555	156,761
1976	8,411	1,075,226		3,105,320	312,914
1977	13,824	1,269,374	59,095	2,212,488	742,384
1978	14,677	1,000,353	37,479	5,006,273	482,956
1979	14,441	1,410,800	94,000	3,067,647	607,430
1980	5,850	1,831,748	28,000	6,492,822	830,070
1981	15,720	1,391,593	59,000	3,188,869	741,981
1982	10,773	1,603,692	86,000	5,370,049	1,023,923
1983	27,445	1,300,506	104,000	2,089,704	824,954
1984	14,429	1,467,780	123,000	4,512,124	682,936
1985	13,876	2,574,539	191,417	3,168,197	727,883
1986	11,046	2,001,279	170,000	4,068,615	655,817
1987	23,744	1,551,543	153,000	2,978,510	641,579
1988	35,152	1,661,532	96,140	3,236,931	558,531
1989[a]	26,131	3,022,886	166,622	14,642,587	1,432,609
1990	25,972	2,006,241	151,420	6,024,900	474,620
1991	27,306	2,515,659	259,850	4,317,610	934,336
1992	19,013	1,968,058	289,592	3,515,624	530,128
1993	22,113	1,705,440	159,996	4,291,581	234,381
1994	21,591	2,041,511	206,418	3,994,020	545,391
Recent 10 Year Average (1984-1994)	21,424	1,949,358	180,083	4,010,811	598,560
Odd Year Average[b] (1983-1993)				3,369,120	
Even Year Average (1984-1994)				4,225,369	
Average all years	13,644	1,232,936	126,023	3,026,333	435,658

[a] Limited commercial fisheries were conducted due to oil contamination from the Exxon Valdez oilspill.

[b] 1989 not included in averages

Table 5. Historical salmon catch (numbers of fish to nearest thousand) by species in the Kodiak Management Area, 1881-1994.

Year[a]	Chinook	Sockeye	Coho	Pink	Chum	Total
1881						0
1882		58,800				58,800
1883		188,706				188,706
1884		282,184				282,184
1885		468,580				468,580
1886		646,100				646,100
1887		1,004,500				1,004,500
1888		2,781,100				2,781,100
1889		3,754,735				3,754,735
1890		3,592,707				3,592,707
1891		3,846,388				3,846,388
1892		3,126,459				3,126,459
1893		3,244,609				3,244,609
1894		3,830,336				3,830,336
1895		2,246,966	8,321			2,255,287
1896		3,328,846				3,328,846
1897		2,785,515	1,500			2,787,015
1898		2,033,094	19,175			2,052,269
1899	1,104	1,934,771	32,475			1,968,350
1900	4,838	3,450,480	32,239			3,487,557
1901	3,838	4,826,159		2,015		4,832,012
1902	2,932	3,868,101	34,972			3,906,005
1903	1,187	1,826,163	119,541	10,000		1,956,891
1904	3,190	2,875,118	103,136	5,180		2,986,624
1905	2,496	2,142,367	86,913			2,231,776
1906	3,640	3,980,462	23,738			4,007,840
1907	4,015	4,232,454	38,059			4,274,528
1908	3,028	2,487,848	73,789	286,374		2,851,039
1909	3,907	1,915,230	51,500	153,595		2,124,232
1910	1,598	1,954,717	44,291	215,382		2,215,988
1911	689	2,685,949	21,870	229,551	6,492	2,944,551
1912	686	2,246,467	17,491	547,171	24,588	2,836,403
1913	1,082	1,663,163	27,634	590,039	3,822	2,285,740
1914	1,329	1,255,444	32,063	1,726,411	13,094	3,028,341
1915	939	1,664,426	51,819	252,073	20,331	1,989,588
1916	1,028	3,373,055	49,683	3,181,890	28,962	6,634,628
1917	1,457	3,645,914	30,485	225,335	15,961	3,919,152
1918	2,021	1,894,466	78,169	2,467,325	81,699	4,523,680
1919	1,831	1,619,101	104,233	282,715	60,102	2,067,982
1920	1,637	1,958,636	88,970	1,977,421	55,175	4,080,839
1921	660	2,857,922	45,764	67,688	24,779	2,996,813
1922	703	1,097,359	119,724	2,766,257	223,970	4,208,013
1923	1,915	1,090,117	77,554	928,510	38,653	2,136,749
1924	1,002	1,407,525	120,686	5,435,091	117,883	7,082,187
1925	1,911	1,693,057	92,960	2,673,675	212,492	4,674,095
1926	596	3,015,366	174,475	4,606,694	324,706	8,121,837
1927	4,358	1,155,202	151,548	5,297,305	417,956	7,026,369
1928	2,546	1,592,003	290,645	1,535,313	726,480	4,146,987
1929	3,200	712,126	144,226	6,108,402	1,057,662	8,025,616
1930	4,991	466,409	228,800	1,651,398	419,011	2,770,609
1931	1,541	1,183,074	170,075	6,839,906	183,737	8,378,333
1932	1,873	1,058,446	52,192	4,719,939	237,023	6,069,473
1933	1,140	1,428,373	91,428	6,573,660	536,935	8,631,536
1934	1,300	1,828,953	89,588	7,641,891	661,341	10,223,073
1935	1,393	1,613,519	76,849	10,780,612	381,753	12,854,126
1936	2,548	2,657,195	183,903	5,647,726	328,218	8,819,590
1937	1,257	1,881,304	164,902	16,787,150	346,238	19,180,851
1938	1,232	1,965,943	154,959	8,397,981	640,119	11,160,234

-Continued-

Table 5. (page 2 of 3)

Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1939	2,272	1,786,445	112,171	11,741,218	641,693	14,283,799
1940	1,233	1,318,233	148,016	9,997,899	673,265	12,138,646
1941	2,571	1,730,201	199,515	7,601,531	444,521	9,978,339
1942	1,329	1,281,529	106,865	6,092,526	564,924	8,047,173
1943	1,133	1,990,557	59,661	12,479,608	454,205	14,985,164
1944	668	1,817,875	51,675	4,955,354	506,703	7,332,275
1945	2,021	2,041,090	60,122	9,044,544	559,332	11,707,109
1946	129	838,863	56,425	9,545,871	298,486	10,739,774
1947	99	993,394	76,230	8,856,666	294,518	10,220,907
1948	1,401	1,260,465	32,364	5,968,487	330,795	7,593,512
1949	851	892,336	53,737	4,927,779	699,548	6,574,251
1950	2,127	920,885	40,653	5,304,701	685,109	6,953,475
1951	2,402	467,875	48,792	2,100,377	483,057	3,102,503
1952	1,081	603,677	51,567	4,576,726	1,243,227	6,476,278
1953	2,991	317,150	41,681	5,174,574	547,574	6,084,041
1954	942	325,157	66,430	8,439,231	1,250,833	10,082,593
1955	2,428	164,482	34,582	10,794,164	482,425	11,478,081
1956	1,123	271,249	52,844	3,318,841	705,047	4,349,104
1957	1,030	234,253	34,995	4,716,482	1,208,472	6,195,232
1958	1,942	288,014	20,555	4,038,938	930,698	5,280,147
1959	1,837	330,087	14,512	1,967,058	733,784	3,047,278
1960	1,238	362,525	54,308	6,737,817	1,300,386	8,456,274
1961	864	407,979	28,579	3,926,023	518,935	4,882,380
1962	1,095	784,664	54,583	14,113,851	794,727	15,748,920
1963	286	407,040	57,011	5,480,158	305,061	6,249,556
1964	1,306	498,488	35,535	12,044,341	1,134,163	13,713,833
1965	786	346,237	26,672	2,886,831	431,340	3,691,866
1966	599	631,646	67,700	10,755,582	762,766	12,218,293
1967	1,753	308,756	10,354	187,813	226,681	735,357
1968	1,936	760,393	56,629	8,768,122	750,428	10,337,508
1969	2,469	591,481	48,759	12,500,823	534,933	13,678,465
1970	1,089	917,045	66,421	12,036,598	919,102	13,940,255
1971	920	478,479	22,844	4,332,994	1,541,444	6,376,681
1972	1,300	222,800	16,588	2,485,802	1,163,772	3,890,262
1973	800	167,341	3,573	518,692	317,921	1,008,327
1974	545	418,761	13,631	2,646,087	249,294	3,328,318
1975	101	136,418	23,659	2,942,801	84,431	3,187,410
1976	766	641,484	23,714	11,077,992	740,495	12,484,451
1977	585	623,468	27,920	6,252,405	1,072,313	7,976,691
1978	3,228	1,071,782	48,795	15,004,083	814,345	16,942,233
1979	1,905	631,735	140,629	11,287,592	358,400	12,420,261
1980	529	651,394	139,154	17,290,615	1,075,557	19,157,249
1981	1,418	1,288,980	121,544	10,336,829	1,345,328	13,094,099
1982	1,238	1,204,793	343,531	8,076,203	1,266,187	10,891,952
1983	3,839	1,231,989	157,612	4,603,371	1,085,165	7,081,976
1984	4,657	1,950,439	229,524	10,844,293	649,092	13,678,005
1985	4,970	1,843,185	284,166	7,334,815	430,757	9,897,893
1986	4,381	3,188,269	168,773	11,807,727	1,134,558	16,303,708
1987	4,612	1,792,819	192,540	5,076,002	681,982	7,747,955
1988	22,374	2,698,637	303,298	14,409,291	1,426,410	18,860,010
1989	4,851	2,628,565	141,433	22,648,511	835,734	26,259,094
1990	18,806	5,248,339	293,699	5,983,805	577,740	12,122,389
1991	22,233	5,704,041	324,860	16,642,804	1,029,070	23,723,008
1992	24,299	4,167,877	280,085	3,310,644	679,559	8,462,464
1993	42,199	4,377,688	313,387	34,019,420	588,331	39,341,025
1994	22,576	2,877,023	296,305	8,162,564	738,856	12,098,324

-Continued-

Table 5. (page 3 of 3)

Year	Chinook	Sockeye	Coho	Pink	Chum	Total
Averages						
All Years	3,342	1,721,773	95,751	6,430,974	577,294	8,829,133
Years 1948-1994	4,824	1,219,983	104,479	8,252,356	784,379	10,366,021
All Even Years 1948-1994				8,633,431		10,747,096
All Odd Years 1949-1993[b]				7,182,267		9,295,932
Average 1984-1994	17,111	3,384,932	268,664	11,759,137	793,636	16,223,478
Odd Years 1983-1993[b]				13,535,282		17,999,624
Even Years 1984-1994				9,086,387		13,550,729

[a] For the period 1882-1947, the harvest data was derived from "casepack" information supplied by commercial buyers and processors. For the period 1948-present, the harvest data was derived from "fish ticket" information summarized by ADF&G.

[b] Averages do not include harvest data for 1989. The 1989 harvest data shown is unique from all other years. The 1989 harvest by species in this table is the summation of the actual harvest which did occur and the projected harvest which would have occurred if there had not been restrictions on the 1989 fishery (Barrett, 1990). In 1989 there was only limited commercial salmon fishing allowed because of the presence of oil contaminated waters in the Kodiak Area due to the M/V EXXON VALDEZ oil spill.

Table 6. Subsistence salmon fishery harvest summary by species by year for the Kodiak Management Area, 1962-1994.

Year	Permits Issued	Permits Returned	Percent Returned	Chinook	Sockeye	Coho	Pink	Chum	Total
1962	74	13	18	0	0	433	397	20	850
1963	74	15	20	0	297	576	836	195	1,904
1964	43	9	21	6	332	184	88	71	681
1965	67	7	10	2	19	318	244	12	595
1966	48	13	27	0	295	331	334	393	1,353
1967	84	29	35	2	1,306	571	894	344	3,117
1968	132	28	21	0	658	433	529	45	1,665
1969	242	30	12	1	481	338	620	30	1,470
1970	213	49	23	1	959	939	797	265	2,961
1971	267	131	49	5	3,442	1,720	1,276	472	6,915
1972	329	176	54	11	3,633	1,531	2,516	2,729	10,420
1973	400	149	37	7	4,453	2,289	1,393	1,166	9,308
1974	367	90	25	1	1,909	846	1,094	128	3,978
1975	508	90	18	1	1,141	922	947	221	3,232
1976	536	243	45	4	4,338	962	2,275	370	7,949
1977	739	451	61	54	8,119	2,508	2,849	317	13,847
1978	860	539	63	50	7,239	3,699	2,747	572	14,307
1979	1,085	697	64	111	10,376	3,840	3,300	333	17,960
1980	1,239	756	61	67	13,746	4,407	2,755	566	21,541
1981	1,166	733	63	44	12,756	3,729	2,278	470	19,277
1982	1,276	993	78	110	16,615	7,192	3,558	667	28,142
1983	1,307	1,082	83	111	15,526	6,283	2,536	800	25,256
1984	1,240	1,061	86	265	17,620	5,808	1,877	720	26,290
1985	1,476	1,196	81	172	16,231	8,873	2,756	855	28,887
1986	1,244	1,049	84	91	14,451	7,087	2,371	605	24,605
1987	1,124	904	80	101	13,277	6,737	2,409	1,316	23,840
1988	1,098	706	64	108	10,142	4,074	1,274	366	15,964
1989	2,800[a]	715	N/A	41	11,998	3,707	1,492	367	17,605
1990	2,900[a]	1,181	N/A	131	17,972	8,646	1,605	655	29,009
1991	1,406	1,239	88	175	21,590	8,201	1,743	714	32,423
1992	1,561	1,176	75	317	20,218	8,544	1,642	643	31,364
1993	1,496	834	56	243	19,521	7,188	2,696	838	30,486
1994[b]	2,550	1,459	57	205	17,976	7,491	1,758	440	27,870
Recent 10 Year Average[b]									
1985 - 1994				158	16,368	7,087	1,979	681	26,274
Previous 10 Year Averages									
1975 - 1984				82	10,748	3,935	2,512	504	17,780
1965 - 1974				3	1,716	932	970	558	4,178
TOTAL 1962-1994[b]				2,437	288,935	120,733	55,928	17,720	485,753
AVERAGE 1962-1994[b]				74	8,756	3,659	1,695	537	14,720

[a] Permits were mailed to all previous applicants, totaling approximately 2,800. Many were "returned to sender" as "undeliverable". These names were removed from the permittee list.

[b] In 1994 the subsistence permitting program for salmon was merged with the subsistence shellfish permitting program. The total number of permits includes permits mailed out to all previous permit holders, plus permits issued by ADF&G staff in Kodiak and local villages. Some permits issued were requested for shellfish only. Harvest numbers are preliminary.

Table 7. Sport fish salmon harvest in the Kodiak regulatory area of the Kodiak Management Area, 1978-1993.

Year	Pink	Coho	Sockeye	Chinook	Chum	Total
1978	17,739	4,927	1,776	350	1,287	26,079
1979	15,871	11,522	2,436	752	500	31,081
1980	18,969	12,692	2,178	327	525	34,691
1981	12,259	10,584	1,620	789	637	25,889
1982	18,850	13,329	3,055	1,120	1,324	37,678
1983	8,936	7,823	3,150	729	816	21,454
1984	12,779	14,612	5,385	921	1,321	35,018
1985	13,423	13,625	7,536	762	865	36,211
1986	14,509	20,873	5,259	520	336	41,497
1987	11,662	16,912	4,165	379	560	33,678
1988	19,044	18,809	6,222	1,564	1,546	47,185
1989	17,794	19,802	6,789	1,087	631	46,103
1990	7,464	13,728	6,056	996	191	28,435
1991	12,106	17,691	5,049	2,508	1,517	38,871
1992	5,904	13,668	6,240	2,217	625	28,654
1993	12,324	21,241	7,849	5,092	504	47,010
1978-82 Average	16,738	8,537	2,213	668	855	31,084
1983-87 Average	12,261	14,769	5,099	662	780	33,572
1988-93 Average	12,439	17,490	6,368	2,244	835	39,376

[a] Data from Schwarz (1995). The Kodiak regulatory area consists of only the Kodiak Island archipelago portion of the commercial fisheries Kodiak Management Area.

Table 8. Summary of limited entry permit activity in the commercial salmon fishery, by gear type, in the Kodiak Management Area, 1975-1994.

	Purse Seine[a]		Beach Seine[a]		Set Gillnet[a]		Total[a]		
	Fishable	Fished	Fishable	Fished	Fishable	Fished	Fishable	Fished	Percent
1975[a]	468	280	26	8	229	116	723	404	56
1976	394	325	23	17	187	140	604	482	80
1977	378	336	32	24	186	147	596	507	85
1978	389	372	34	29	188	160	611	561	92
1979	387	362	34	28	186	164	607	554	91
1980	387	370	35	33	187	168	609	571	94
1981	387	325	35	30	187	169	609	524	86
1982	386	345	35	30	187	170	608	545	90
1983	383	342	35	27	188	174	606	543	90
1984	384	296	35	25	188	168	607	489	81
1985	384	270	34	21	188	169	606	460	76
1986	385	287	34	14	187	174	606	475	78
1987	386	297	33	18	188	173	607	488	80
1988	387	323	33	21	188	179	608	523	86
1989[b]	388	4	33	1	189	87	610	92	15
1990	388	354	33	21	189	184	610	559	92
1991	388	348	33	17	189	185	610	550	90
1992	391	336	33	12	190	178	614	526	86
1993	387	324	36	9	190	176	613	509	83
1994	387	286	34	5	190	169	611	460	75
19 Year Average (1975-94)[c]									
	391	325	33	20	190	166	614	512	83
5 Year Average (1990-94)[c]									
	388	330	34	13	190	178	612	521	85

[a] Data from Commercial Fisheries Entry Commission records and ADF&G Fish Ticket summaries.

[b] 1989 effort levels were very low due to extensive fishery closures because of the presence of oil from the Exxon Valdez spill.

[c] 1989 data not included in averages.

Table 9. Resident vs. nonresident commercial salmon fishing limited entry permit ownership in the Kodiak Management Area, 1987-1994.

YEAR/STATUS	PURSE SEINE		BEACH SEINE		SET GILLNET		TOTAL	
	Number	%	Number	%	Number	%	Number	%
1994[a]								
RESIDENT	289	75	31	89	151	80	471	77
NONRESIDENT	94	24	3	11	37	19	134	22
INTERIM	4	1	0	0	2	1	6	1
TOTAL	**387**		**34**		**190**		**611**	
1993[a]								
RESIDENT	289	75	32	89	153	80	474	77
NONRESIDENT	94	24	4	11	35	19	133	22
INTERIM	4	1	0	0	2	1	6	1
TOTAL	**387**		**36**		**190**		**613**	
1992[a]								
RESIDENT	284	73	30	91	140	74	454	74
NONRESIDENT	103	26	3	9	49	26	155	25
INTERIM	4	1	0	0	1	<1	6	1
TOTAL	**391**		**33**		**190**		**614**	
1991[a]								
RESIDENT	281	73	30	91	138	73	449	74
NONRESIDENT	102	26	3	9	50	27	155	25
INTERIM	5	1	0	0	1	<1	6	1
TOTAL	**388**		**33**		**189**		**610**	
1990[a]								
RESIDENT	283	73	29	88	142	75	454	75
NONRESIDENT	99	25	4	12	46	24	149	24
INTERIM	6	2	0	0	1	1	7	1
TOTAL	**388**		**33**		**189**		**610**	
1989[a]								
RESIDENT	285	73	29	88	145	77	459	75
NONRESIDENT	97	25	4	12	43	23	144	24
INTERIM	6	2	0	0	1	<1	7	1
TOTAL	**388**		**33**		**189**		**610**	
1988[a]								
RESIDENT	286	74	31	86	148	79	465	76
NONRESIDENT	96	24	2	6	39	21	137	23
INTERIM	5	2	0	8	1	<1	6	1
TOTAL	**387**		**33**		**188**		**610**	
1987[a]								
RESIDENT	295	73	31	83	151	80	477	79
NONRESIDENT	86	22	2	6	36	19	124	20
INTERIM	5	5	0	11	1	1	6	1
TOTAL	**386**		**33**		**188**		**607**	

[a] Data from Commercial Fisheries Entry Commission records. Numbers reflect only permit ownership and not actual participation in Kodiak Area commercial salmon fisheries.

Table 10. Commercial salmon fisheries limited entry permits issued, by residence of permit holder, for the Kodiak Management Area, 1994.

Fishery	Residence[a]	Total # Permits
PURSE SEINE	Anchor Point, AK	3
	Anchorage, AK	14
	Big Lake, AK	2
	Chignik, AK	1
	Chignik Lagoon, AK	2
	Chugiak, AK	1
	Clam Gulch, AK	1
	Eagle River, AK	2
	Fairbanks, AK	1
	Girdwood, AK	2
	Homer, AK	15
	Juneau, AK	2
	Kasilof, AK	2
	Kenai, AK	2
	Kodiak, AK	**169**
	Larsen Bay, AK	**5**
	Ninilchik, AK	5
	Old Harbor, AK	**27**
	Ouzinkie, AK	**10**
	Petersburg, AK	2
	Port Lions, AK	**12**
	Sand Point, AK	1
	Seldovia, AK	3
	Seward, AK	3
	Soldotna, AK	2
	Wasilla, AK	3
	ARKANSAS	1
	ARIZONA	1
	CALIFORNIA	3
	MICHIGAN	1
	MONTANA	1
	OREGON	10
	WASHINGTON	78
Total Number of Permits		387
Total Number of Alaskan Resident Permits		292
% of Total Permits Held by Alaskan Residents		76%
Total Number of Kodiak Resident Permits		**223**
% of Total Permits Held by Kodiak Residents		**58%**
BEACH SEINE	Anchor Point, AK	1
	Anchorage, AK	2
	Chugiak, AK	1
	Homer, AK	2
	Karluk, AK	**1**
	Kasilof, AK	1
	Kodiak, AK	**18**
	Larsen Bay, AK	**2**
	Old Harbor, AK	**1**
	Seward, AK	1

-Continued-

Table 10. (page 2 of 2)

Fishery	Residence[a]	Total # Permits
	Sterling, AK	1
	OREGON	1
	WASHINGTON	2
Total Number of Permits		34
Total Number of Alaskan Resident Permits		31
% of Total Permits Held by Alaskan Residents		92%
Total Number of Kodiak Resident Permits		**22**
% of Total Permits Held by Kodiak Residents		**65%**
SET GILLNET	**Akhiok, AK**	**2**
	Anchor Point, AK	1
	Anchorage, AK	12
	Douglas, AK	4
	Fairbanks, AK	2
	Homer, AK	1
	Kodiak, AK	**104**
	Larsen Bay, AK	**11**
	Nikiski, AK	1
	Old Harbor, AK	**4**
	Ouzinkie, AK	**3**
	Palmer, AK	5
	Port Bailey, AK	**1**
	Port Lions, AK	**1**
	Soldotna, AK	1
	ARIZONA	2
	COLORADO	1
	FLORIDA	3
	IDAHO	1
	INDIANA	3
	MINNESOTA	1
	MISSOURI	1
	NEVADA	1
	OREGON	6
	SOUTH DAKOTA	1
	TEXAS	3
	WASHINGTON	14
Total Number of Permits		190
Total Number of Alaskan Resident Permits		153
% of Total Permits Held by Alaskan Residents		81%
Total Number of Kodiak Resident Permits		**126**
% of Total Permits Held by Kodiak Residents		**67%**
ALL GEAR		
Total Number of Permits		611
Total Number of Alaskan Resident Permits		476
% of Total Permits Held by Alaskan Residents		78%
Total Number of Kodiak Resident Permits		**371**
% of Total Permits Held by Kodiak Residents		**61%**

[a] Data from Commercial Fisheries Entry Commission records.

Table 11. Commercial salmon harvest in 1993 and harvest projections for the Kodiak Management Area, 1994.

	CHINOOK	SOCKEYE	COHO	PINK	CHUM	TOTAL
1993 Projected Harvest	21,000	2,208,000	290,000	21,575,000	1,200,500	25,294,500
1993 Actual Harvest	42,200	4,377,700	313,400	34,019,400	588,300	39,341,000
1994 Projected Harvest	25,000	2,443,100	325,000	13,700,000	620,000	17,113,100

FISHERY	1993 HARVEST[a] Projection	1993 HARVEST[a] Actual[c]	1994 HARVEST[a,b] Projection as of 5/24/94
Early Run Sockeye Salmon Fisheries (6/9-7/15)			
Cape Igvak	230,000	340,500	262,500
Karluk	350,000	1,366,300	400,000
Ayakulik	138,000	588,500	105,000
Frazer	232,000	624,800	420,000
Upper Station	35,000	58,700	70,000
Minor Systems	50,000	144,700	70,000
Other	70,000	187,600	100,000
SubTotal	**1,105,000**	3,311,100	1,427,500
Late Run Sockeye Salmon Fisheries (7/16-9/15)			
Afognak (Hatchery)	18,000	20,900	20,000
Cape Igvak	95,000	71,600	140,600
Karluk	325,000	464,400	175,000
Ayakulik	92,000	500	65,000
Frazer	58,000	58,200	105,000
Upper Station	410,000	258,300	250,000
Spiridon	-	-	135,000
Minor Systems	75,000	13,800	75,000
Other	30,000	178,900	50,000
SubTotal	**1,103,000**	**1,066,600**	**1,015,600**
TOTAL SOCKEYE	**2,208,000**	**4,377,700**	**2,443,100**
Coho Salmon Fisheries (8/1-10/1)			
Afognak (Hatchery)	5,000	16,000	75,000
Afognak (Natural)	35,000	55,700	40,000
Westside	135,000	95,600	85,000
Alitak	25,000	19,200	20,000
Eastside/Northend Kodiak	50,000	101,400	75,000
Mainland	40,000	25,500	30,000
SubTotal	**290,000**	**313,400**	**325,000**
Pink Salmon Fisheries (7/6-9/5)			
Afognak (Hatchery)	6,500,000	12,076,700	1,400,000
Afognak (Natural)	850,000	2,618,400	700,000
Westside Kodiak	4,750,000	9,079,700	5,000,000
Alitak	2,870,000	3,465,500	2,000,000
Eastside/Northend Kodiak	5,750,000	5,413,400	3,500,000
Mainland	855,000	1,365,700	1,100,000
SubTotal	**21,575,000**	**34,019,400**	**13,700,000**

-Continued-

Table 11. (page 2 of 2)

FISHERY	1993 HARVEST[a] Projection	1993 HARVEST[a] Actual[c]	1994 HARVEST[a,b] Projection as of 05/24/94
Chum Salmon Fisheries (6/6-9/5)			
Afognak (Hatchery)	500	600	20,000
Afognak (Natural)	60,000	73,000	50,000
Westside Kodiak	390,000	248,100	250,000
Alitak	70,000	53,700	50,000
Eastside/Northend Kodiak	275,000	128,700	150,000
Mainland	405,000	84,200	100,000
SubTotal	**1,200,500**	**588,300**	**620,000**
GRAND TOTAL	**25,294,500[d]**	**39,340,900[e]**	**17,113,100[f]**

[a] Numbers of fish.
[b] 1994 harvest projections as of 5/24/94.
[c] Actual harvest estimates by fishery as of 12/13/93.
[d] Includes 21,000 chinook - projected harvest.
[e] Includes 42,200 chinook - actual harvest.
[f] Includes 25,000 chinook - projected harvest.

Table 12. Escapement summary for systems with fish weirs in the Kodiak Management Area, 1994.

Weir Locations	Dates		Salmon Species Enumerated					Total
	Installed	Removed	Sockeye	Chinook	Pink	Coho	Chum	
1. Karluk	5/09	9/23	848,029	12,049	438,991	23,263	135	1,322,467
2. Ayakulik	5/21	9/05	380,181	9,138	195,449	33,658	103	618,529
3. Dog Salmon	6/01	9/05	240,913	385	82,903	4,944	4,274	333,419
4. Frazer Lake[a]	6/16	8/05	206,071[a]	189[a]	0[a]	0[a]	3[a]	206,263[a]
5. Upper Station	5/30	9/10	259,320	6	14,000	4,836	2	278,164
6. Akalura	6/06	9/06	13,681	0	48,799	1,785	0	64,265
7. Saltery	6/19	9/21	58,975	1	1,560	2,173	30	62,739
8. Buskin	6/01 8/16	7/23 9/30	11,783	6	89,711	8,146	17	109,663
9. Litnik	5/27	9/17	80,570	5	49,756	11,965	8	142,304
10. Paul's Bay	6/07	9/06	16,100	0	7,002	12,538	28	35,668
11. Malina	5/28	8/11	9,042	0	8,035	0	0	17,077
12. Big Creek (Shuyak)	8/07	9/30	27	0	2,065	3,960	0	6,052
TOTALS			1,918,621	21,590	938,271	107,268	4,597	2,990,347

[a] Numbers not used in species totals as Frazer Lake salmon are initially counted through Dog Salmon weir.

Table 13. Commercial salmon season opening times and dates by species for the Kodiak Area, 1994.

FISHERY	EARLIEST OPENING TIME/DATE Firm Time/Date	Approximate Time/Date
Early Run Sockeye Salmon Fisheries		
Cape Igvak Section [a]	-	12:01 A.M. June 5-9
N.W. Kodiak District [b]	12:00 Noon June 9	
Inner Ayakulik and Outer Ayakulik Sections [c]	-	Low tide June 7-9
Alitak District [b]	12:00 Noon June 9	
Minor Systems [d]		
Uganik	-	12:00 Noon June 14
Paramanof	-	12:00 Noon June 14
Pauls/Perenosa	-	12:00 Noon June 14
Litnik	-	12:00 Noon June 9-14
Saltery	-	12:00 Noon June 14
Kaflia/Swikshak	-	12:00 Noon June 14
Pink/Chum Salmon Fisheries [e]		
Mainland District	12:00 Noon July 6	-
Afognak District	12:00 Noon July 6	-
N.W. Kodiak District	12:00 Noon July 6	-
S.W. Kodiak District	12:00 Noon July 6	-
Alitak District	12:00 Noon July 6	-
Eastside Kodiak District	12:00 Noon July 6	-
N.E. Kodiak District	12:00 Noon July 6	-
Late Run Sockeye Salmon Fishery		
Cape Igvak Section [f]	-	12:01 A.M. July (?)
All remaining late run sockeye fisheries [g]	-	12:00 Noon July 15
System Specific Coho Salmon Fisheries [h]		
Mainland District	-	12:00 Noon Sept. 1
Afognak District	-	12:00 Noon Aug. 15
N.W. Kodiak District	-	12:00 Noon Sept. 1
S.W. Kodiak District	-	12:00 Noon Sept. 1
Alitak District	-	12:00 Noon Sept. 1
Eastside Kodiak District	-	12:00 Noon Sept. 5
N.E. Kodiak District	-	12:00 Noon Sept. 5

-Continued-

Table 13. (page 2 of 2)

---

[a] Actual opening date will be determined by sockeye escapement levels into the Chignik River system. Fishing time will be in 24 hour increments.

[b] Actual opening time/date is as shown. This opening is considered a commercial test fishery; fishing time for this initial period will be 33 hours (12:00 nooon 6/9 through 9:00 P.M. 6/10).

[c] Actual opening date will be determined by the sockeye escapement level into Ayakulik River and opening time by low tide timing during daylight hours.

[d] Actual opening time will be determined by sockeye escapement levels into minor systems. Fishing time for this period will be 33 hours (12:00 noon through 9:00 P.M.)

[e] Actual opening time/date is as shown. Fishing time for this initial period will be 105 hours (12:00 noon 7/6 through 9:00 P.M. 7/10). See section on Fishing Periods for additional information.

[f] Actual opening date will be determined by sockeye escapement levels into the Chignik River System. Fishing time will be in 24 hour increments.

[g] Actual opening date for system specific fishing time will be determined by sockeye escapement levels into major systems. All fishing periods will begin at 12:00 noon and end at 9:00 P.M. prior to 8/16 and end at 6:00 P.M. from 8/16 to season's end.

[h] Actual opening date for system specific fishing time will be determined by overall coho run strength evaluation and by escapement levels into major systems and minor systems with reliable escapement data.

Table 14. Board of Fisheries approved fishery management plans for the Kodiak Management Area, 1994.

MANAGEMENT PLAN	YEAR INITIATED	MGMT. UNITS AFFECTED	DATES IN EFFECT
Cape Igvak Salmon Management Plan	1978	Cape Igvak Section Wide Bay Section	6/5 - 7/25
Alitak Bay District Salmon Management Plan	1987	Alitak Bay District	6/9 - 10/1
Westside Kodiak Management Plan	1990	N.W. Kodiak District S.W. Kodiak District S.W. Afognak Section	6/9 - 10/1
Crescent Lake Coho Salmon Management Plan	1990	Portion of the Central Section in Vicinity of Port Lions	8/1 - 9/15
North Shelikof Strait Sockeye Salmon Management Plan	1990	S.W. Afognak Section N.W. Afognak Section Shuyak Section Big River Section Hallo Bay Section Inner and Outer Kukak Sect. Dakavak Section	7/6 - 7/25
Eastside Afognak Management Plan	1993	Kitoi Bay Section Izhut Bay Section Duck Bay Section	6/9 - 10/1
Spiridon Bay Sockeye Salmon Management Plan	1993	Special Harvest Area in Spiridon Bay Section	6/9 - 10/1

Table 15. Brood year escapements for the 1994 sockeye salmon returns to major systems of the Kodiak Management Area.

Brood Year / Age for 1994 Return		1987 (7)	1988 (6)	1989 (5)	1990 (4)	1991 (3)	1992 (2)	1993 (1)
KARLUK	May	131	751	169	323	17	67	10,518
	June	299,883	252,954	327,094	183,158	196,299	199,293	232,916
	July	64,873	50,904	29,219	21,665	52,196	24,672	19,933
	August	152,199	148,163	160,598	97,737	228,242	145,446	125,731
	September	249,165	126,044	591,566	435,205	657,332	461,936	268,357
	October	-	-	-	-	-	-	-
	TOTAL	**776,251**	**578,816**	**1,108,646**	**738,088**	**1,134,086**	**831,414**	**657,455**
AYAKULIK	May	1,052	6,298	6	5,150	598	1,800	12,726
	June	118,380	110,032	418,367	135,139	221,760	109,611	145,909
	July	109,623	128,139	250,913	125,164	131,919	188,081	80,393
	August	32,675	46,957	98,815	105,168	20,582	44,692	47,142
	September	183	348	-	660	-	-	-
	TOTAL	**261,913**	**291,774**	**768,101**	**371,282**	**374,859**	**344,184**	**286,170**
FRASER	May	-	-	-	-	-	-	-
	June	7,358	132,279	241,631	80,145	137,192	55,338	38,309
	July	39,837	110,153	100,989	135,439	53,166	120,400	132,201
	August	1,382	5,218	17,753	11,376	-	10,087	7,881
	September	379	405	-	-	-	-	-
	TOTAL	**48,956**	**248,055**	**360,373**	**226,960**	**190,358**	**185,825**	**178,391**
SUTPATPERON	May	1,328	328	41	-	-	-	992
	June	59,373	50,592	55,161	51,053	35,754	14,867	25,693
	July	62,240	49,327	50,663	20,101	24,155	11,867	58,782
	August	65,966	189,203	156,078	167,903	216,027	184,943	113,145
	September	43,288	17,110	24,345	15,389	16,950	6,466	23,769
	October	-	-	-	-	-	-	-
	TOTAL	**232,195**	**306,560**	**286,288**	**254,446**	**292,886**	**218,143**	**222,381**
LITNIK	May	3,178	209	-	1,423	1,316	1,292	2,096
	June	14,321	24,287	62,902	65,250	70,092	45,496	49,520
	July	6,477	6,143	19,698	21,319	9,075	27,089	16,120
	August	1,945	8,367	5,899	2,469	7,828	2,857	3,698
	September	553	6	326	205	246	526	26
	TOTAL	**26,474**	**39,012**	**88,825**	**90,666**	**88,557**	**77,260**	**71,460**

Table 16. Expected harvest from supplemental salmon production, by system and species for the Kodiak Management Area, 1994.[a]

System	Sockeye	Pink	Coho	Chum
Kitoi Bay Hatchery Complex[b]	23,000[c]	1,400,000	65,000	20,000
Spiridon Lake[d]	135,000	0	0	0
Hidden Lake[e]	0	0	0	0
Waterfall Lake[e]	0	0	0	0
Malina Lake[e]	0	0	0	0
Crescent Lake[f]	0	0	5,000	0
Katmai Lake[e]	0	0	2,000	0
Kodiak Road System Lakes[e]	0	0	3,000	0

[a] Harvest estimates by KRAA and Kitoi Bay Hatchery staff.
[b] See Eastside Afognak Salmon Management Plan.
[c] Harvest is expected to occur during fisheries targeting pink salmon.
[d] See Spiridon Lake Sockeye Salmon Management Plan.
[e] Have received fry plants but no returns expected this year.
[f] See Crescent Lake Salmon Management Plan.

Table 17. Excerpt from harvest strategy, pink salmon fishing periods.

Pink Salmon

The total projected pink salmon harvest is 13,700,000 fish, which includes Kitoi Bay Hatchery's projected contribution of 1,400,000 pinks, represents an above average "even year" harvest.

Preemergent pink salmon fry sampling of the Kodiak Management Area index streams was conducted in March and April of 1993. The sampling indicated generally good over winter survival of the eggs and sac fry. These fry were from a fair brood year escapement of 1992; the indexed escapement estimate was 3.5 million pink salmon. Sampling resulted in an unweighted live fry index of 205.84 live fry per square meter of spawning area. This live fry index is the sixth highest even year index on record. Early spring conditions in 1993 may not have been entirely favorable for outmigration and rearing of fry in the nearshore ocean environment. Ambient air temperatures, as measured in Kodiak, were well above the average for March through June, but cloudy and rainy conditions predominated on the east side of Kodiak and Afognak Islands during April and May. Cloudy weather and cool water temperatures delayed the spring plankton bloom, and may have negatively affected marine survival(Tim Joyce, Kitoi Bay Hatchery, personal communication). **For planning purposes, the actual 1994 harvest, of hatchery and wild production combined, is likely to approach the lower end of the forecast range at 12.2 million pink salmon and likely will not exceed the point estimate of 13.7 million pink salmon.**

In addition to the three management criteria identified in the introduction of this document, the harvest strategy for pink salmon utilizes: 1) a fixed opening date (July 6), 2) a reliable pink salmon forecasting program to set the length of the initial fishing periods, and 3) coordinates specific fisheries whenever possible to allow for dispersion of the purse seine fleet.

In consideration of the forecasted pink salmon run, the pattern of fishing periods for those management units where pink salmon are the targeted management species is expected to vary. Fishing periods will range from 2½ to 3½ days per week from July 6 through approximately August 25. During the peak harvest period of late July to mid August fishing periods may be extended to seven days per week.

Listed below are projected fishing period scenarios which can be used for planning purposes by both ADF&G and industry.

First Period: 2½ days (57 hours) - 12:00 Noon July 6 through 9:00 P.M. July 8. In recent years this initial fishing period has varied between 2-1/2 to 4-1/2 days in duration. This period provides harvest data important for early run strength assessment for Area K's pink salmon run

---

-Continued-

as well as for specific chum salmon stocks. No extensions in fishing time based on pink or chum salmon harvests would occur during this period. The increased closed water area will remain in effect in the East Arm of Uganik Bay.

Second Period: 3½ days (81 hours) - 12:00 Noon July 12 through 9:00 P.M. July 15. This second period will help ensure that early run pink salmon stocks and several major chum salmon stocks are adequately harvested and escapements are ensured. Assessment of run strength for both species (pink and chum) emphasize harvest data. No extensions in fishing time based on pink or chum salmon harvests would occur during this period.

Third Period: 3½ days (81 hours) - 12:00 Noon July 19 through 9:00 P.M. July 22. This third period will occur following a 3½ day closure, allowing an influx of pink and chum salmon into terminal areas which will enhance the build-up of potential escapement. At this time a combination of harvest and early escapement/build-up information will provide indications of the actual run strength for major pink salmon fisheries. No extensions in fishing time are expected during this period.

Fourth Period: 3½ days (81 hours) - 12:00 Noon July 26 through 9:00 P.M. July 29. This fourth period is a very critical period in that harvest should increase substantially and a fairly accurate assessment of total run strength should be evident by period's end. Extensions in fishing time commonly occur off of this period, during years when the pink and chum salmon runs are equal to or stronger than expected. The initial pink salmon opening for the Kitoi Bay Section should occur at the beginning of this fishing period.

Fifth Period: 3½ days (81 hours) - 12:00 Noon August 2 through 9:00 P.M. August 5. This fifth period should yield the peak harvest day and should be the peak harvest period, provided normal run timing occurs. If preseason expectations appear valid, extensions in fishing time could occur in portions of the management area. This period commonly yields the first significant announcement of differential fishing time by management unit as heavy production areas are targeted for extensions, while moderate or lower production areas are not.

Sixth Period: 3½ days (81 hours) - 12:00 Noon August 9 through 9:00 P.M. August 12. This sixth period should be the first postpeak period and is important from the standpoint that returns to major late production systems should be evident by period's end. This is a critical period for considering increases in closed water sanctuaries to enhance escapement levels. Furthermore, a final evaluation of run strength is used to determine if further reductions in fishing time are needed for the remaining periods to ensure adequate escapement. A strategy for "topping off" escapement for all systems is developed from this period.

-Continued-

Seventh Period: 3½ days (78 hours) - 12:00 Noon August 16 through 6:00 P.M. August 19. During this seventh period, a blended multi-species management approach is used for those sections where pink salmon were the targeted species for the previous six periods. Emphasis will still be on harvesting excess, good quality pink salmon and on achieving pink salmon escapement goals. Major concerns, however, will be directed toward the run strength of late run sockeye and chum salmon.

Eighth Period: 3½ days (78 hours) - 12:00 Noon August 23 through 6:00 P.M. August 26. This eighth period will be primarily a cleanup period for most pink salmon stocks. Escapement requirements should be assured at this point. Excess pink salmon of acceptable quality should be available for harvest in near terminal areas. Again, this period will require a major emphasis on multi-species management; it is a critical management period for late run sockeye and chum salmon stocks, as well as early run coho salmon stocks.

Changes in these scenarios should be expected if significant deviations in the actual pink salmon return occurs. Less fishing time should be expected in management units where chum salmon are the targeted management species.

Table 18. Commercial salmon buyers and processors, Kodiak Management Area, 1994.

Buyers/Processors[a]	Shorebased Processors			Floating Processors			Product	
	Kodiak City	Kodiak Borough	Other Areas	Kodiak City	Kodiak Borough	Other Areas	Canned	Frozen
Alaska Fresh Seafoods	X							X
All Alaskan Seafoods	X							X
Alaska Pacific Seafoods	X						X	X
Wards Cove Packing -Alitak		X					X	X
Wards Cove Packing-Port Bailey		X					X	X
Cook Inlet Processors	X							X
Cook Inlet Processors-Uganik		X					X	
East Point Seafoods	X							X
International Seafoods	X							X
Kodiak King Crab, Inc.	X			X			X	X
Kodiak Salmon Company-Larsen Bay		X					X	X
Western Alaska Seafoods	X							X
Seaside Seafoods	X							X
Faith Fisheries						X		X
Glacier Fish Company						X		X
Kodiak Smoking & Processing		X						X
TOTALS	9	5	0	1	0	2	6	15

[a] In 1994 only 14 individual companies participated in the Kodiak Management Area commercial salmon fisheries. Two companies operated more than one shorebased processing plant, and one company operated both a shorebased and a floating processor. The total number of salmon processing locations in the KMA in 1994 was 17.

Table 19. Preliminary 1994 commercial salmon harvest and value, by gear type, Kodiak Management Area.

	Chinook[a]	Sockeye[a]	Coho[a]	Pink[a]	Chum[a]	Total	Percent
Purse Seine							
Total #	20,460	1,875,306	242,912	6,997,705	616,274	9,752,657	80.62
Avg. Wt.	13.73	4.92	8.57	3.76	7.49		
Total Lbs.	280,974	9,218,749	2,080,902	26,312,130	4,613,171	42,505,926	78.96
Avg. $/Lb.	0.68	1.29	0.69	0.18	0.24		
Ex-Vessel $	192,186.22	11,901,404.96	1,442,065.09	4,815,119.79	1,093,321.53	19,444,097.58	70.64
# of Permits= 286							
Average Value	671.98	41,613.30	5,042.19	16,836.08	3,822.80	67,986.36	
Percent	0.99	61.21	7.42	24.76	5.62	100.00	
Beach Seine							
Total #	49	5,415	95	14,722	237	20,518	0.17
Avg. Wt.	21.65	4.94	8.44	4.14	8.16		
Total Lbs.	1,061	26,762	802	60,948	1,934	91,507	0.17
Avg. $/Lb.	0.68	1.29	0.69	0.18	0.24		
Ex-Vessel $	725.72	34,549.74	555.79	11,153.48	458.36	47,443.09	0.17
# of Permits= 5							
Average Value	145.14	6,909.95	111.16	2,230.70	91.67	9,488.62	
Percent	1.53	72.82	1.17	23.51	0.97	100.00	
Set Gillnet							
Total #	2,067	996,153	53,298	1,150,137	122,340	2,323,995	19.21
Avg. Wt.	15.95	5.11	9.26	4.12	7.16		
Total Lbs.	32,965	5,091,299	493,706	4,743,220	875,599	11,236,789	20.87
Avg. $/Lb.	0.78	1.31	0.74	0.17	0.22		
Ex-Vessel $	25,679.74	6,659,419.09	366,823.56	792,117.74	188,253.79	8,032,293.91	29.18
# of Permits= 169							
Average Value	151.95	39,404.85	2,170.55	4,687.09	1,113.93	47,528.37	
Percent	0.32	82.91	4.57	9.86	2.34	100.00	
Total All Gear							
Total #	22,576	2,876,874	296,305	8,162,564	738,851	12,097,170	100.00
Avg. Wt.	13.95	4.98	8.69	3.81	7.43		
Total Lbs.	315,000	14,336,810	2,575,410	31,116,298	5,490,704	53,834,222	100.00
Avg. $/Lb.	0.69	1.30	0.70	0.18	0.23		
Ex-Vessel $	218,591.68	18,595,373.79	1,809,444.43	5,618,391.01	1,282,033.67	27,523,834.58	100.00
% of Total Value	0.79	67.56	6.57	20.41	4.66		100.00
Test Fishery							
Total #	0	1,149	0	0	5	1,154	
Avg. Wt.	0.00	4.74	0.00	0.00	7.20		
Total Lbs.	0	5,451	0	0	36	5,487	
Avg. $/Lb.	0.78	1.31	0.74	0.17	0.22		
Ex-Vessel $	0.00	7,129.91	0.00	0.00	7.74	7,137.65	

[a] Numbers and pounds of fish are derived from fish ticket summaries. There were 14,630 fish tickets generated in 1994; each fish ticket represents a "landing". Each gear type had the following number of landings: Purse Seine: 7,519, Beach Seine: 66, and Set Gillnet: 7,024. Average $/lb. figures are estimates from CFEC and do reflect additional payments which might have been made for dock deliveries or postseason settlements.

Table 20. Commercial salmon harvest projections and actual harvest, by species and fishery, in the Kodiak Management Area, 1994.

	CHINOOK	SOCKEYE	COHO	PINK	CHUM	TOTAL
1994 Projected Harvest	25,000	2,428,100	325,000	13,700,000	610,000	17,088,100
1994 Actual Harvest	22,600	2,877,500	296,200	8,162,600	738,800	12,097,700

FISHERY	1994 HARVEST[a] Projection	Actual[b]
Early Run Sockeye Salmon Fisheries (6/9-7/15)		
Cape Igvak	262,500	295,700
Karluk	400,000	652,800
Ayakulik	105,000	0
Frazer	420,000	477,200
Upper Station	70,000	57,700
Minor Systems	70,000	36,100
Minor Enhancements	-	4,900
Other	100,000	142,500
SubTotal	**1,427,500**	**1,666,900**
Late Run Sockeye Salmon Fisheries (7/16-9/15)		
Afognak (Hatchery)	5,000	9,300
Cape Igvak	140,600	26,600
Karluk	175,000	355,200
Ayakulik	65,000	106,300
Frazer	105,000	119,300
Upper Station	250,000	277,700
Minor Systems	75,000	8,300
Spiridon	135,000	263,800
Other	50,000	44,100
SubTotal	**1,000,600**	**1,210,600**
TOTAL SOCKEYE	**2,428,100**	**2,877,500**
Coho Salmon Fisheries (8/1-10/1)		
Afognak (Hatchery)	75,000	45,900
Afognak (Natural)	40,000	47,100
Westside	85,000	107,100
Alitak	20,000	32,200
Eastside/Northend Kodiak	75,000	43,100
Mainland	30,000	20,800
SubTotal	**325,000**	**296,200**

-Continued-

Table 20. (page 2 of 2)

FISHERY	1994 HARVEST[a] Projection	Actual[b]
Pink Salmon Fisheries (7/6-9/5)		
Afognak (Hatchery)	1,400,000	2,051,400
Afognak (Natural)	700,000	623,400
Westside Kodiak	5,000,000	3,315,000
Alitak	2,000,000	1,120,800
Eastside/Northend Kodiak	3,500,000	858,200
Mainland	1,100,000	193,800
SubTotal	**13,700,000**	**8,162,600**
Chum Salmon Fisheries (6/6-9/5)		
Afognak (Hatchery)	10,000	5,000
Afognak (Natural)	50,000	34,900
Westside Kodiak	250,000	286,100
Alitak	50,000	112,100
Eastside/Northend Kodiak	150,000	209,700
Mainland	100,000	91,000
SubTotal	**610,000**	**738,800**
GRAND TOTAL	**17,088,100[c]**	**12,097,700[d]**

[a] Numbers of fish.
[b] Actual harvest estimates by fishery as of 1/5/95.
[c] Includes 25,000 chinook - projected harvest.
[d] Includes 22,600 chinook - actual harvest.

Table 21. Salmon average weights and average price per pound, by species, from commercial salmon fisheries of the Kodiak Management Area, 1988-1994.

	Chinook	Sockeye	Coho	Pink	Chum
1988					
Avg. Wt.	13.22	5.73	8.47	3.78	8.89
Avg.$/lb.	$1.45	$2.71	$1.28	$0.81	$1.13
1989					
Avg. Wt.	19.22	5.53	9.40	3.57	8.75
Avg.$/lb.	$1.17	$1.79	$0.65	$0.37	$0.39
1990					
Avg. Wt.	12.19	5.20	8.23	3.18	7.69
Avg.$/lb.	$1.03	$1.55	$0.77	$0.33	$0.50
1991					
Avg. Wt.	12.14	5.11	7.26	2.92	6.98
Avg.$/lb.	$0.72	$0.92	$0.54	$0.13	$0.30
1992					
Avg. Wt.	14.31	5.68	8.18	3.75	7.25
Avg.$/lb.	$1.02	$1.47	$0.56	$0.18	$0.38
1993					
Avg. Wt.	11.92	5.13	6.72	3.13	5.99
Avg.$/lb.	$0.77	$0.87	$0.45	$0.16	$0.26
1994					
Avg. Wt.	13.95	4.98	8.69	3.81	7.43
Avg.$/lb.	$0.69	$1.30	$0.70	$0.18	$0.23

Average weight information is derived from ADF&G Fish Ticket summaries.

Average price information is from CFEC reports, based on Processor's end of season reports (includes postseason adjustments and bonuses).

Table 22. Estimated salmon harvest and value by gear type in the Kodiak Management Area, 1970-1994.

Year	Total Catch[a]	Total Value[b]	Average Exvessel Value		
			Purse Seine	Beach Seine	Set Net
1970	13,949,206	$21,658,000	$41,880	$10,470	$21,083
1971	6,378,179	4,973,000	13,397	2,919	3,015
1972	3,883,197	3,909,000	9,233	647	1,451
1973	1,001,343	2,094,000	5,075	251	852
1974	3,329,427	4,808,000	15,993	4,406	4,828
1975	3,187,410	3,831,000	13,300	5,600	3,849
1976	12,484,451	16,976,000	43,017	11,035	14,481
1977	7,976,691	18,873,142	46,942	12,107	19,117
1978	16,942,215	30,357,179	70,685	14,772	22,711
1979	12,420,260	22,958,317	51,263	20,348	23,363
1980	19,157,249	27,410,296	62,363	23,385	21,215
1981	13,094,099	32,647,230	79,877	26,946	34,785
1982	10,891,952	18,803,822	39,309	11,038	28,889
1983	7,081,976	13,405,578	30,239	5,918	16,689
1984	13,678,005	25,948,012	71,550	12,341	26,552
1985	9,897,903	20,428,111	57,782	8,405	27,517
1986	16,304,165	38,723,877	92,696	11,885	68,700
1987	7,746,980	31,107,864	79,814	15,664	41,163
1988	19,009,757	103,816,936	252,403	47,017	119,013
1989[c]	26,455,944	61,046,024	146,502	28,288	72,955
1990	12,122,389	52,611,853	113,326	10,424	66,715
1991	23,723,008	37,018,734	77,509	5,257	53,817
1992	8,462,464	40,495,222	98,086	5,436	41,984
1993	39,341,025	38,546,098	94,901	8,230	43,886
1994[d]	12,098,324	27,523,835	67,986	9,489	47,528
Average 1970-1994[e]:					
	12,256,736	$26,621,870	$63,693	$11,833	$31,383
Average 1970-1979:					
	8,155,238	$13,043,764	$31,079	$8,256	$11,475
Average 1980-1988[e]:					
	12,984,676	$34,699,081	$85,115	$18,067	$42,725
Average 1990-1994:					
	19,149,442	$39,239,103	$90,362	$7,767	$50,786
Average 1984-1994[e]:					
	16,238,402	$41,622,031	$101,605	$13,415	$53,687

[a] Includes total commercial harvest, test fisheries, and Kitoi Hatchery cost recovery fishery harvests. These figures are in number of fish.

[b] 1970-1976 and 1994 values are exvessel values based upon inseason prices. They may not include additional value associated with dock deliveries or postseason settlements. 1977-1988 and 1990-1993 values are from Commercial Fisheries Entry Commission reports.

[c] Actual harvest was limited in 1989 due to fishery closures caused by the presence of oil from the Exxon Valdez spill. Harvest figures for 1989 include actual and projected harvests on wild stocks, and actual harvest of hatchery stocks from a supplemental cost recovery fishery. The 1989 total value is estimated by multiplying price information from the limited actual wild harvest (from CFEC records) by the projected total harvest had there been no oil spill. The 1989 exvessel value by gear type is estimated by using the 1988 gear levels and proportional harvest by gear type, as if a normal fishery had occurred on a normal distribution of fish.

[d] 1994 data are preliminary, from ADF&G fish ticket summaries.

[e] 1989 data are not included in averages.

Table 23. Salmon escapement goals vs. actual escapement, by species, by District, in the Kodiak Management Area, 1994.

DISTRICT	SOCKEYE ESCAPEMENT		PINK ESCAPEMENT		CHUM ESCAPEMENT		COHO ESCAPEMENT		CHINOOK ESCAPEMENT	
	GOAL	ACTUAL	GOAL	ACTUAL	GOAL	ACTUAL	GOAL	ACTUAL	GOAL	ACTUAL
	Lower/ Upper		Lower/ Upper		Lower/ Upper		Lower/ Upper		Lower/ Upper	
AFOGNAK	83,000	112,254	148,000	533,979		5,537	13,500	53,288		6
	154,000		444,000				23,600			
NORTHWEST	56,000	29,575	315,000	918,415	72,000	61,150	9,000	17,340		0
	90,000		945,000		216,000		14,000			
SOUTHWEST	760,500	1,228,210	1,250,000	656,140	50,000	80,238	33,000	60,071	11,000	21,187
	1,201,000		2,550,000		150,000		52,000		19,000	
ALITAK	386,000	518,814	162,000	545,907	38,000	69,096	10,500	18,257	100	391
	550,000		486,000		114,000		20,000		300	
EASTSIDE	29,500	62,425	120,000	558,644	88,000	135,970	10,000	19,973		1
	64,000		360,000		264,000		15,000			
NORTHEAST	10,000	11,783	150,000	436,005	20,000	10,300	10,475	11,039		6
	15,000		450,000		60,000		16,555			
MAINLAND	33,500	78,450	256,000	344,930	242,000	183,100	4,000	26,450		0
	66,000		768,000		726,000		9,000			
TOTAL	1,358,500	2,041,511	2,401,000	3,994,020	510,000	545,391	90,475	206,418	11,100	21,591
	2,140,000		6,003,000		1,530,000		150,155		19,300	

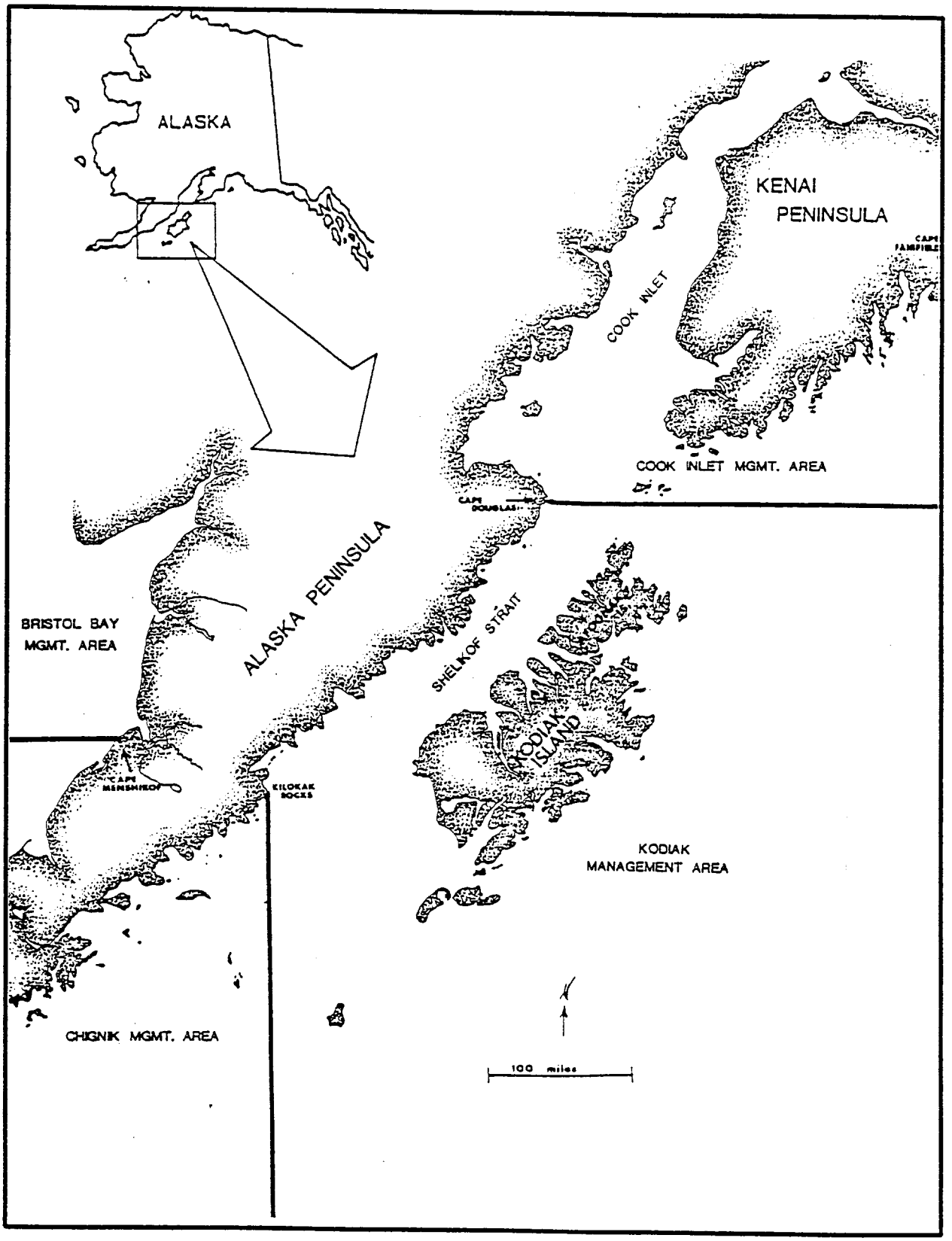


Figure 1. Location of the Kodiak Management Area, 1994.

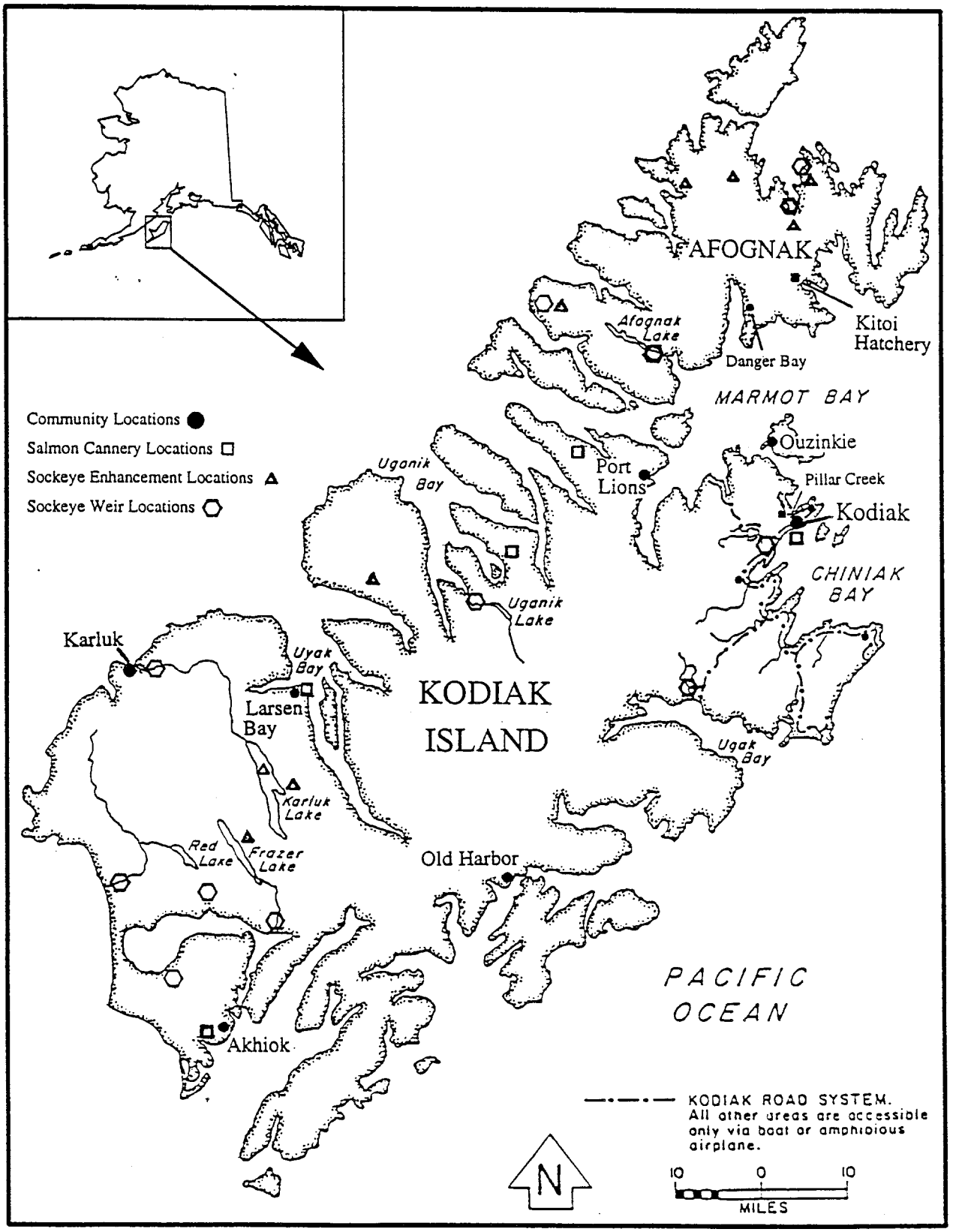


Figure 2. Map of Kodiak Island, showing communities, canneries, and sockeye salmon enhancement and weir locations, of the Kodiak Management Area, 1994.

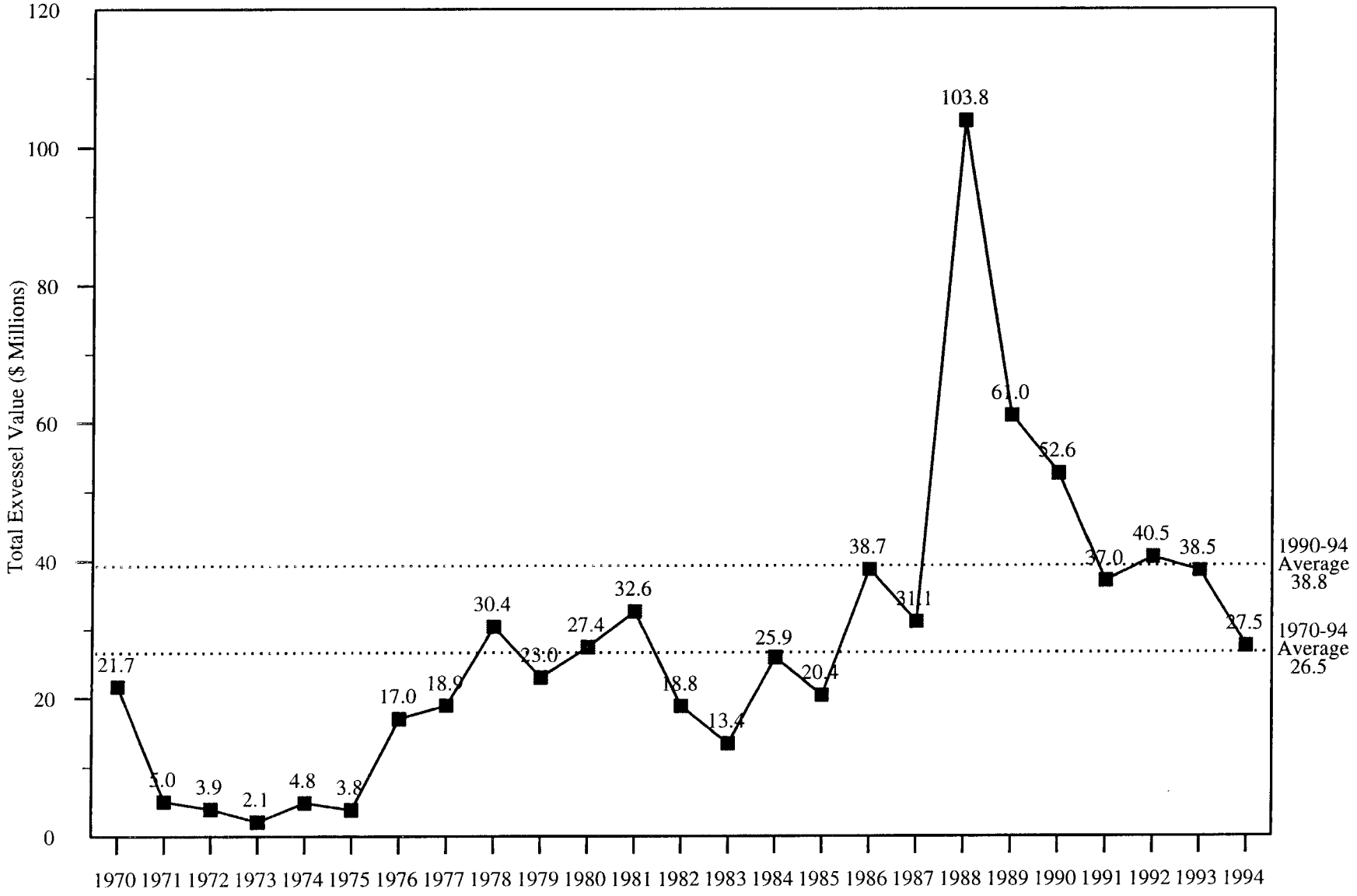


Figure 3. Exvessel value of the commercial salmon fishery in the Kodiak Management Area, 1970 - 1994.

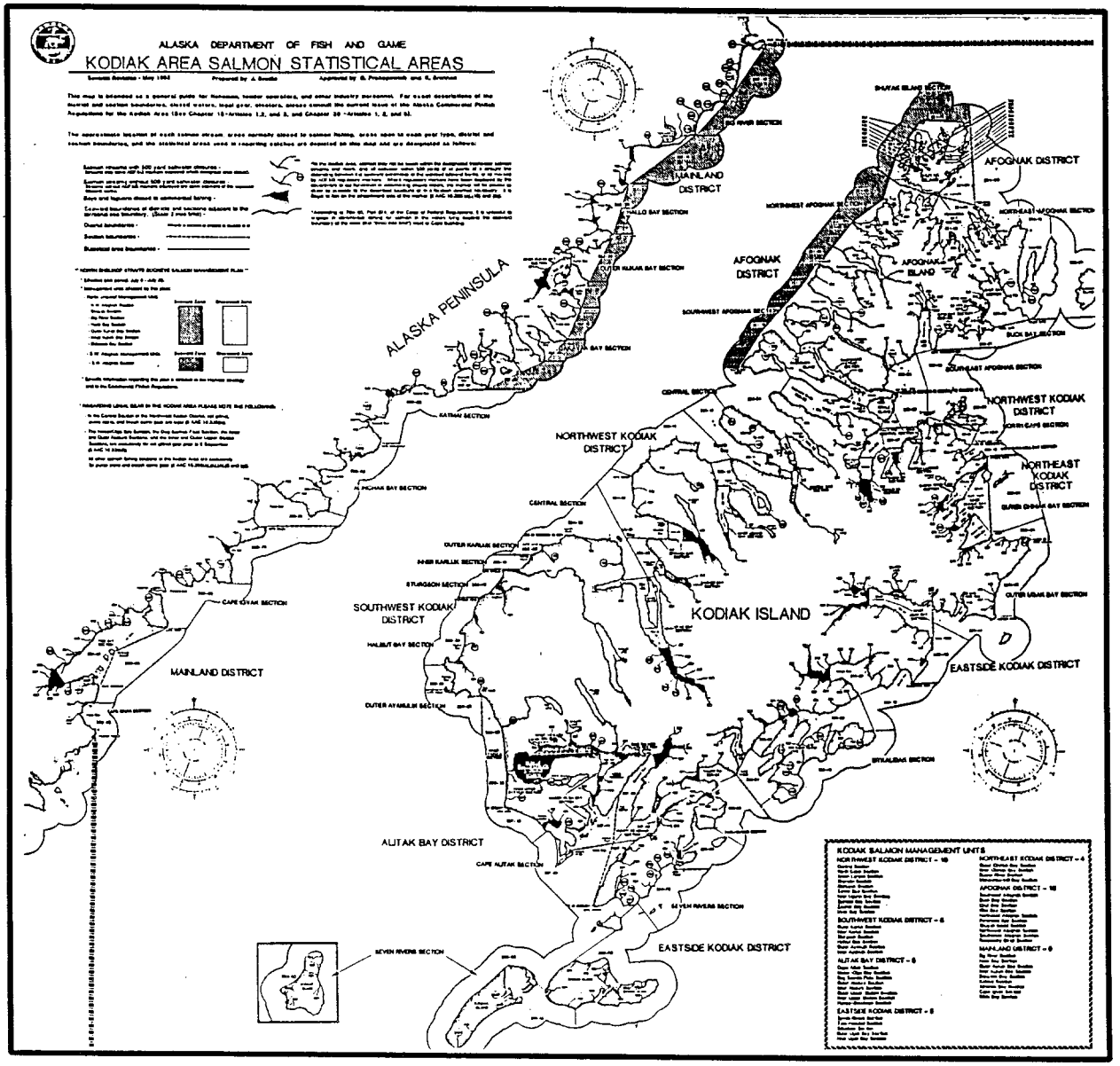


Figure 4. Salmon statistical area map for the Kodiak Management Area, 1994.

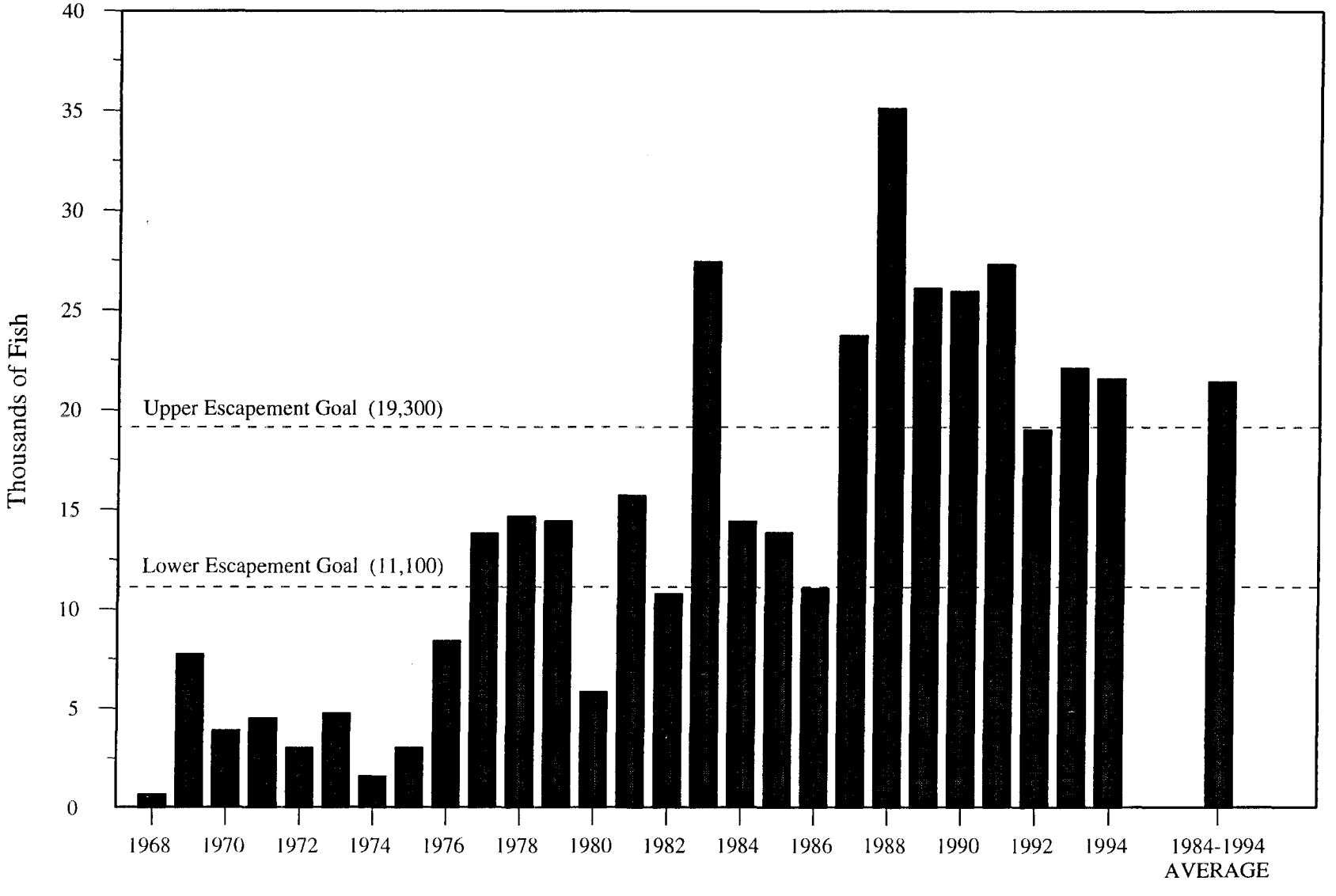


Figure 5. Chinook salmon escapement in the Kodiak Management Area, 1968-1994.

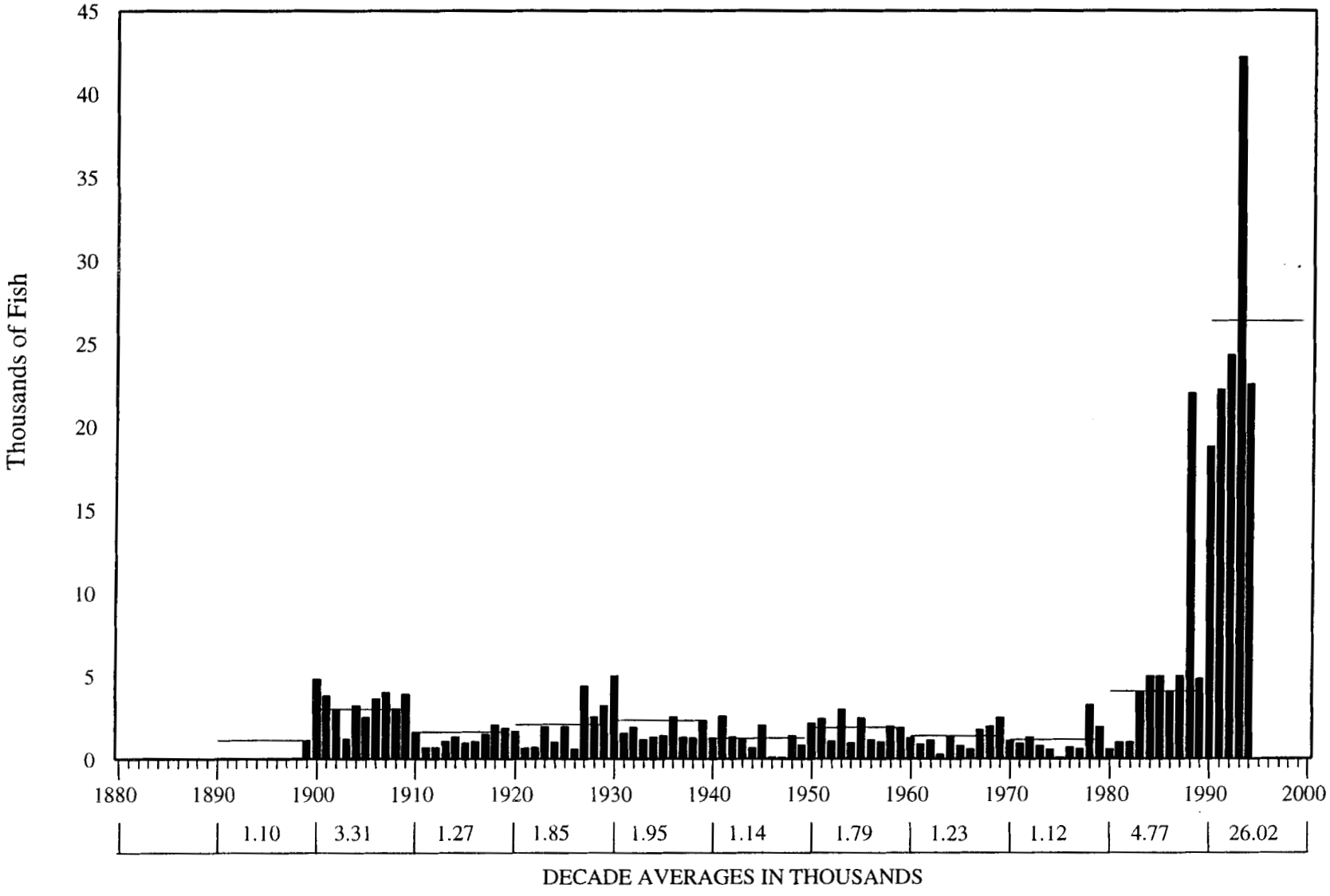


Figure 6. Chinook salmon commercial harvest, all gear combined, in the Kodiak Management Area, 1899 - 1994.

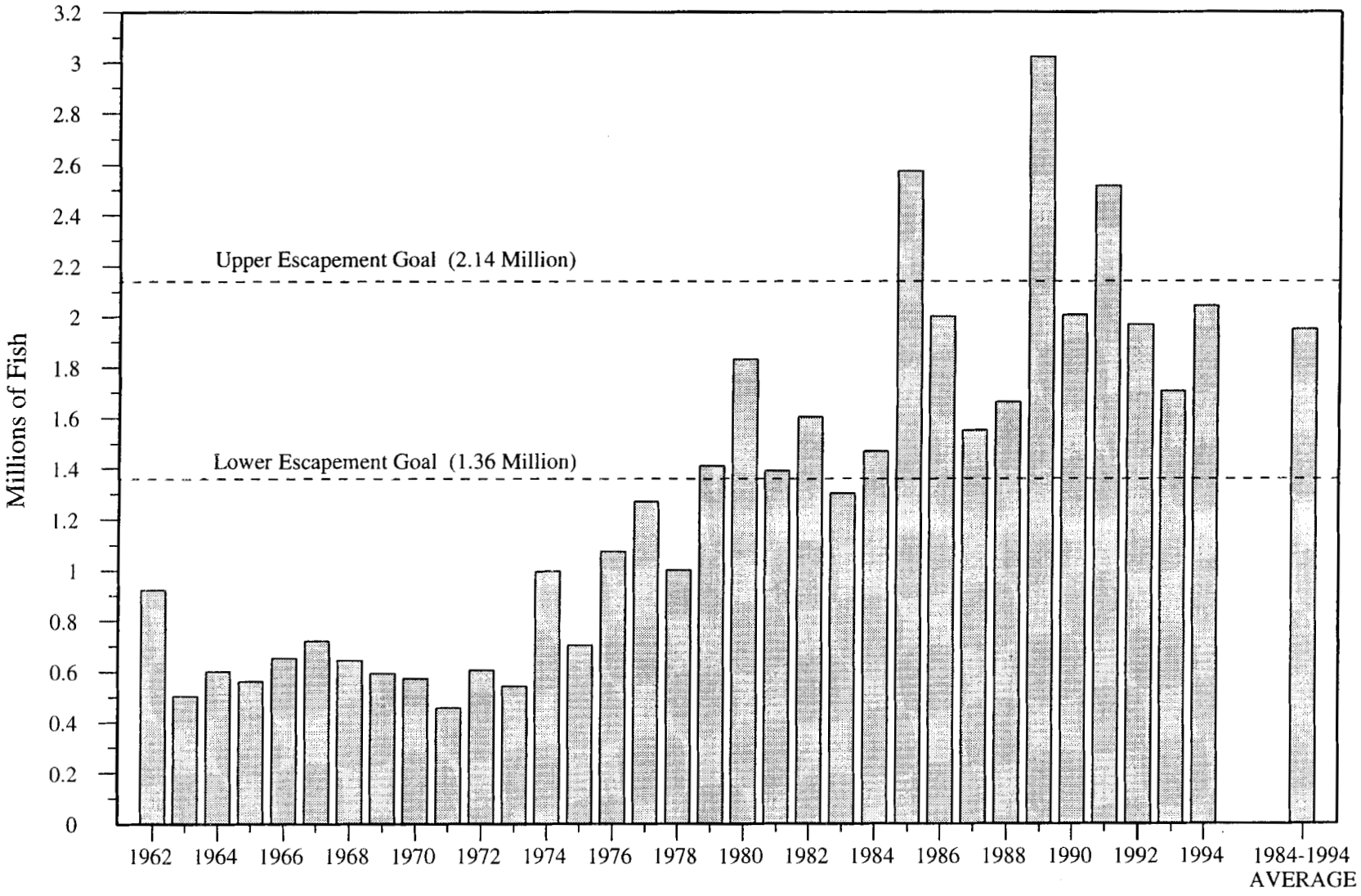


Figure 7. Sockeye salmon escapement in the Kodiak Management Area, 1962-1994.

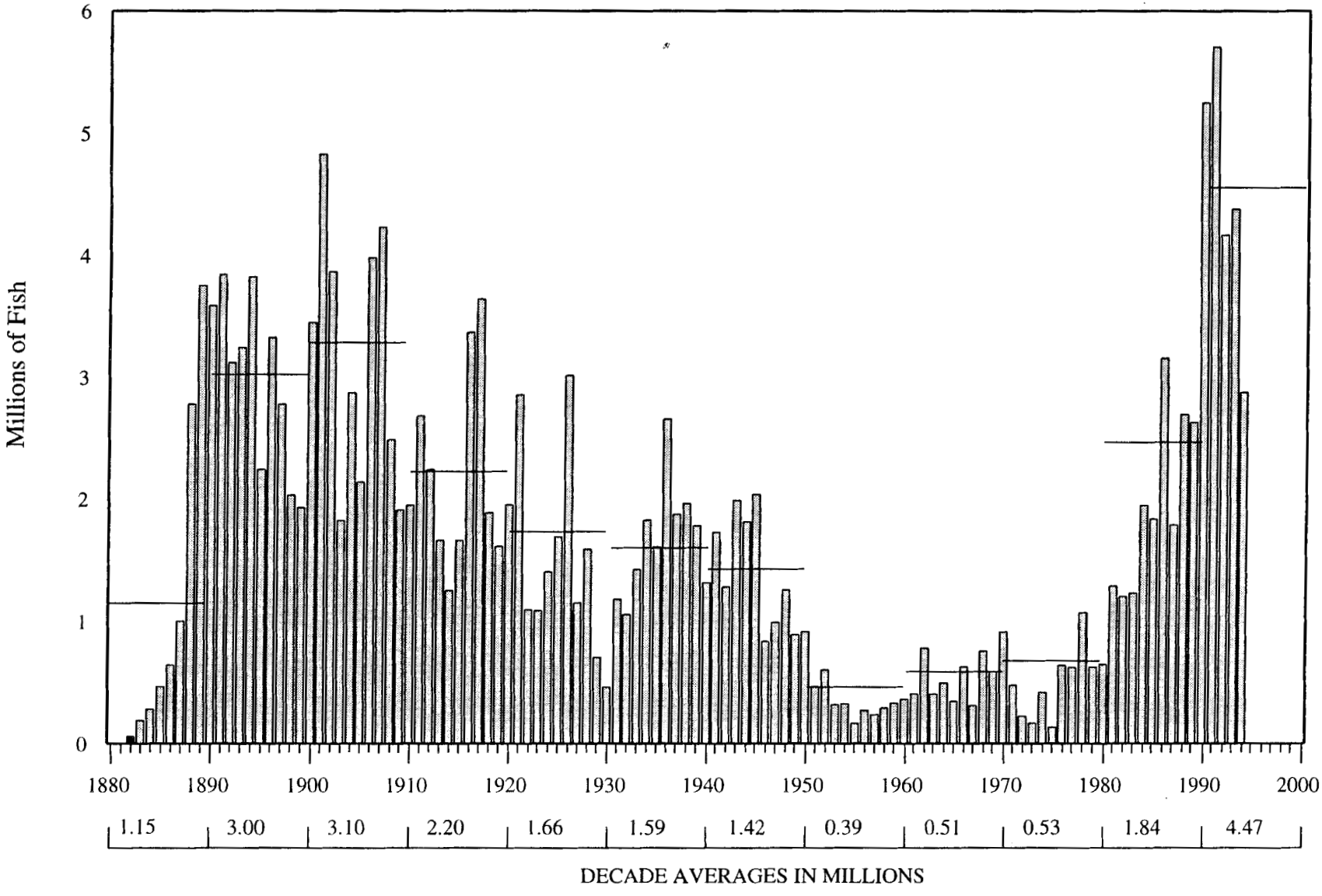


Figure 8. Sockeye salmon commercial harvest, all gear combined, in the Kodiak Management Area, 1882 - 1994.

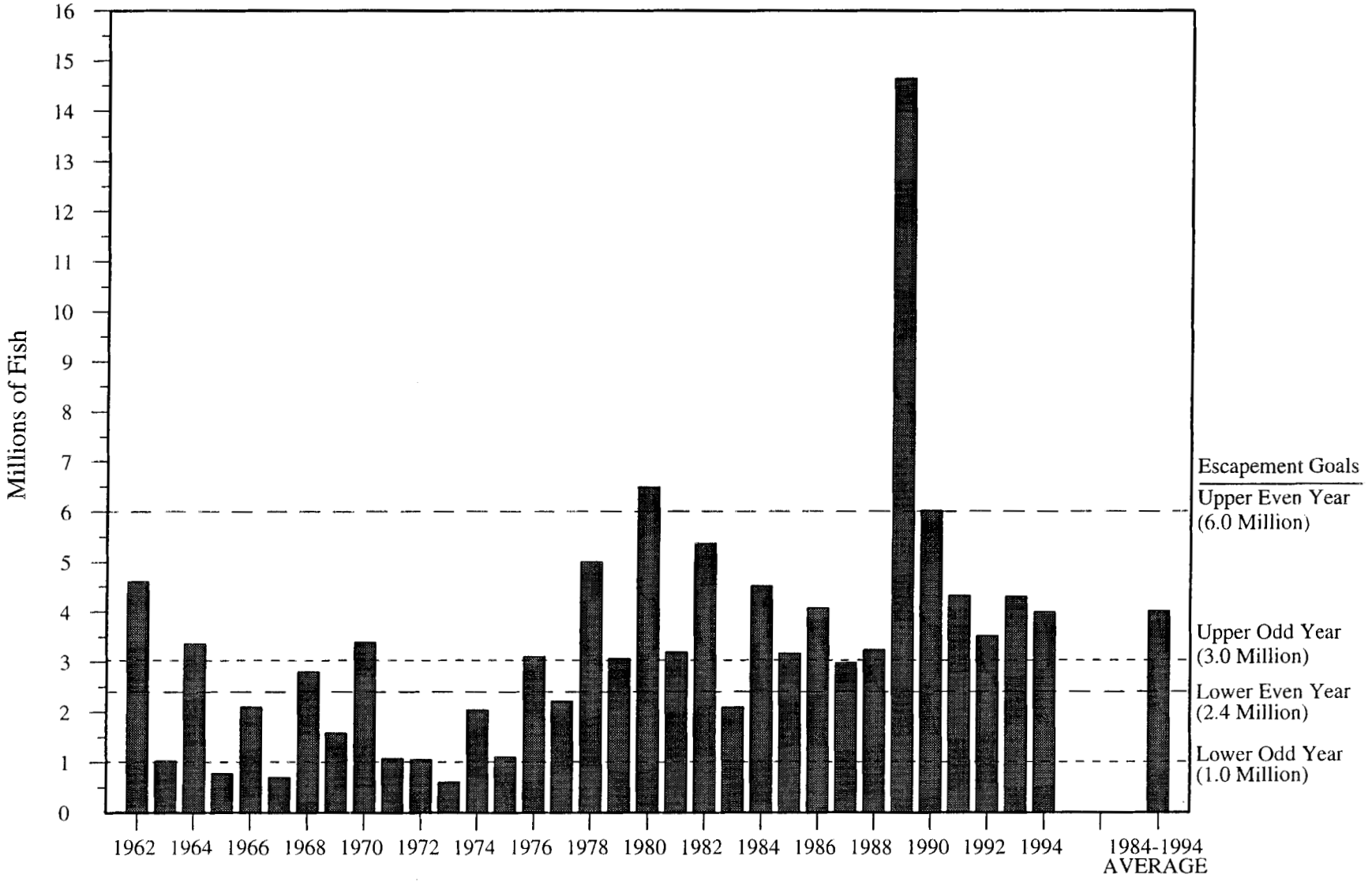


Figure 9. Pink salmon escapement in the Kodiak Management Area, 1962 - 1994.

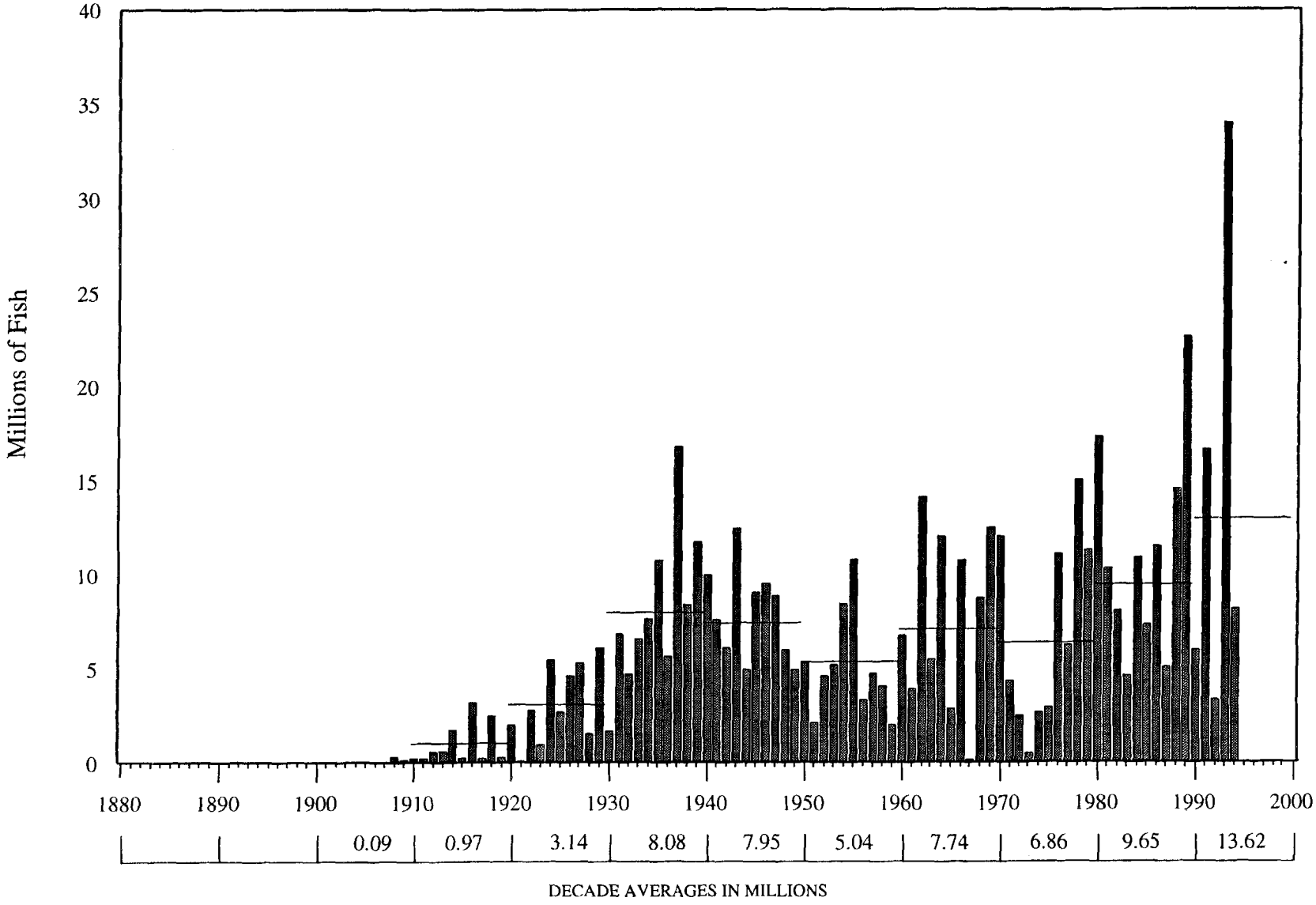


Figure 10. Pink salmon commercial harvest, all gear combined, in the Kodiak Management Area , 1901 - 1994.

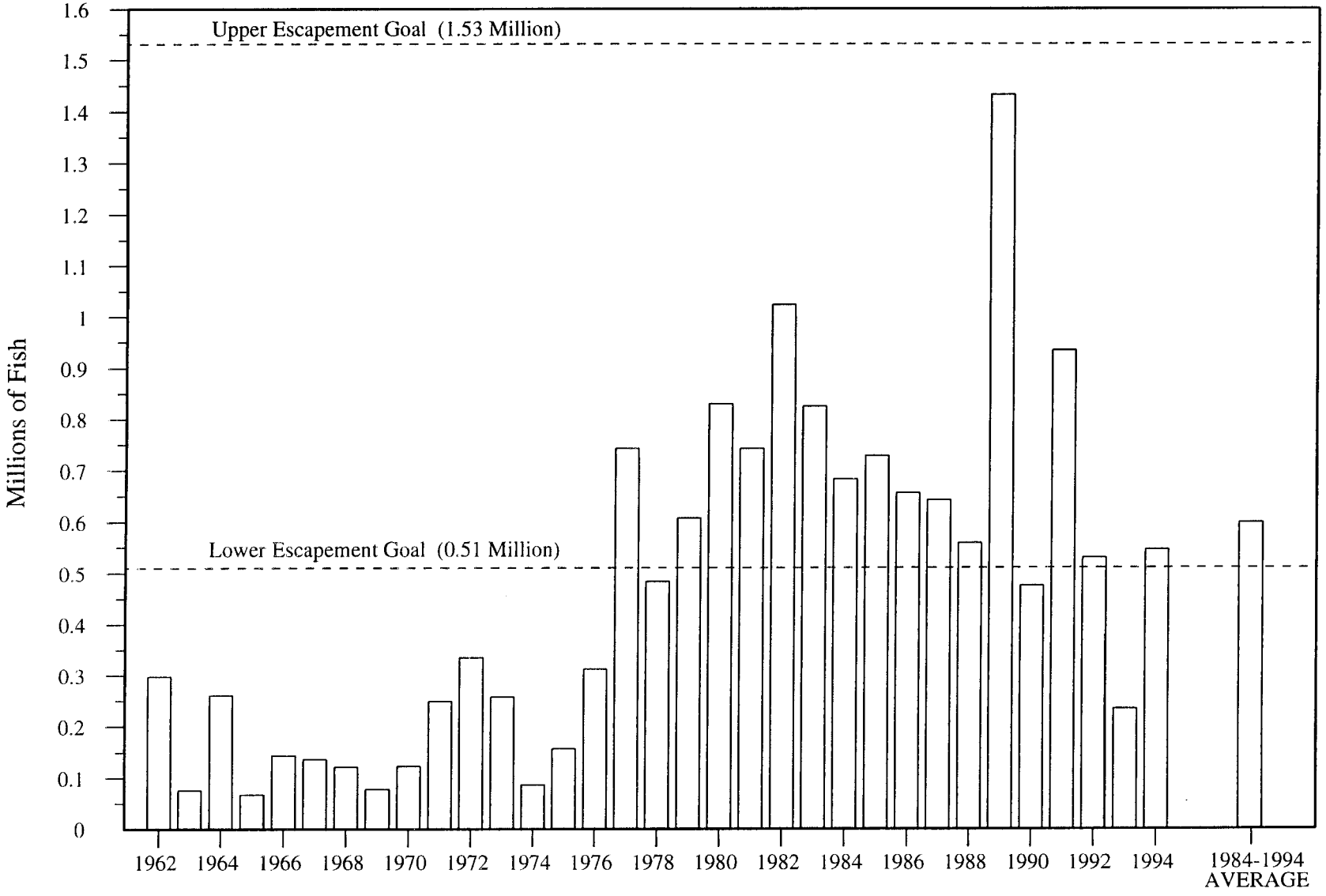


Figure 11. Chum salmon escapement in the Kodiak Management Area, 1962 -1994.

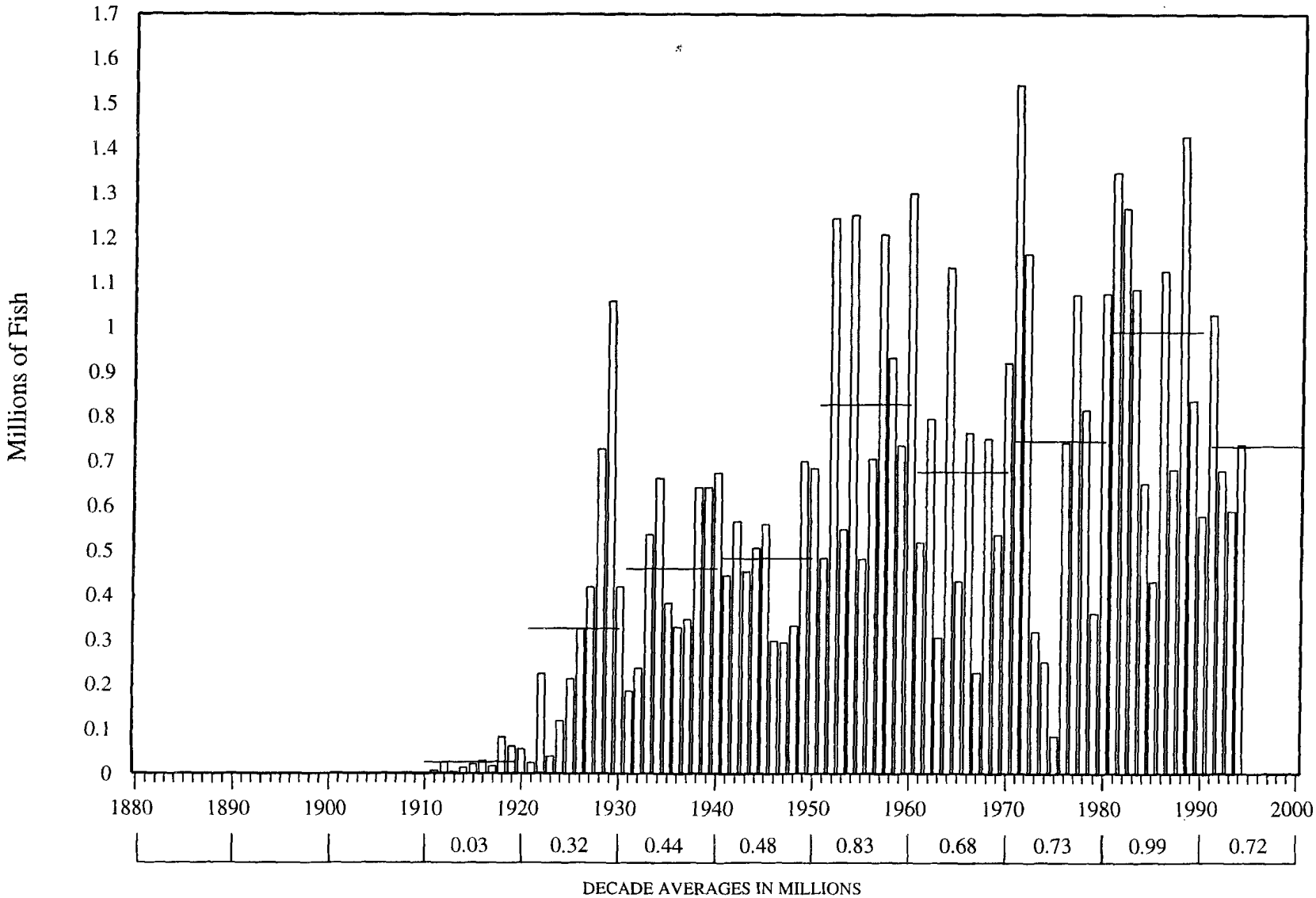


Figure 12. Chum salmon commercial harvest, all gear combined, in the Kodiak Management Area, 1911 - 1994.

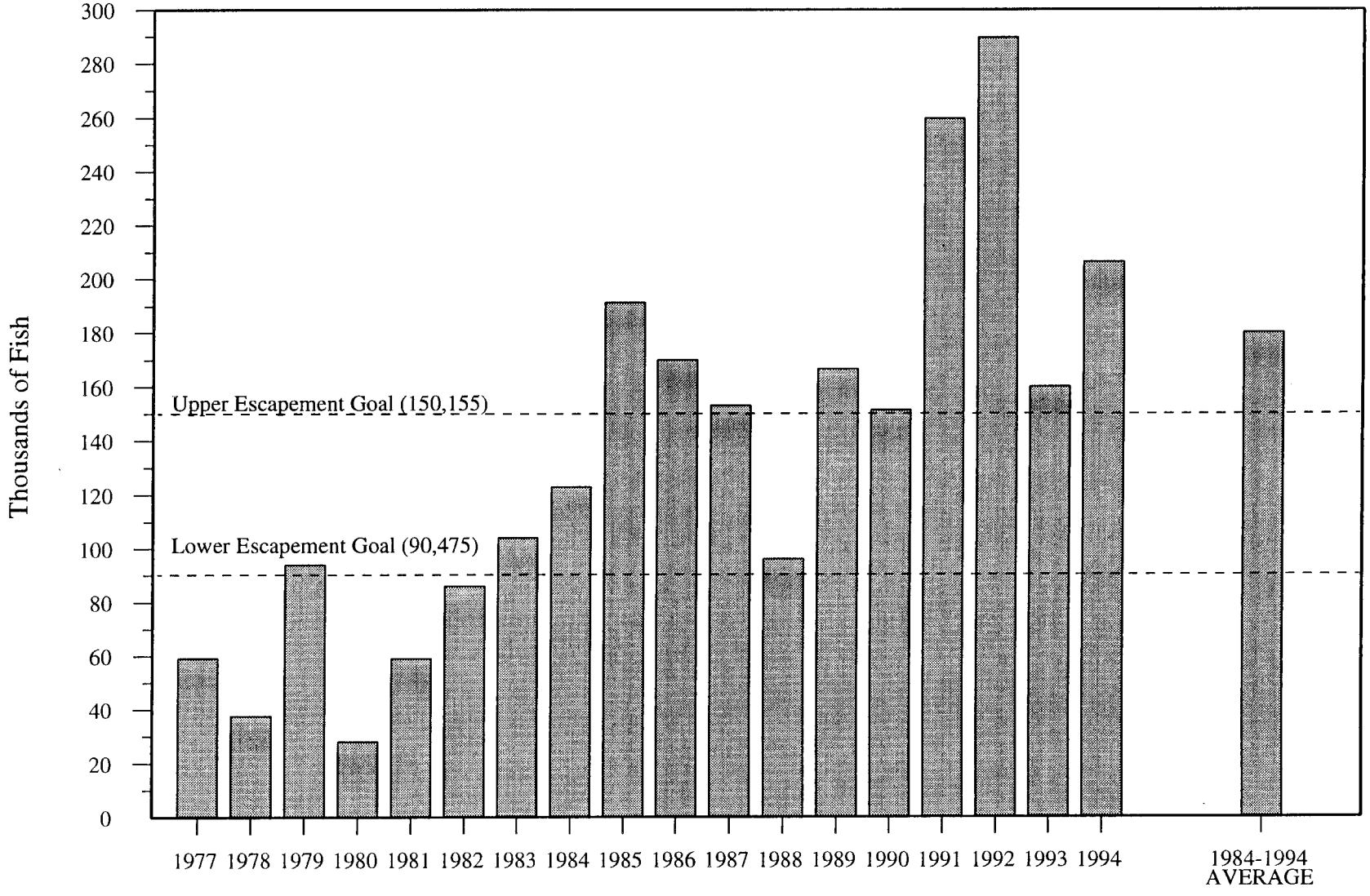


Figure 13. Coho salmon escapement in the Kodiak Management Area, 1977 - 1994.

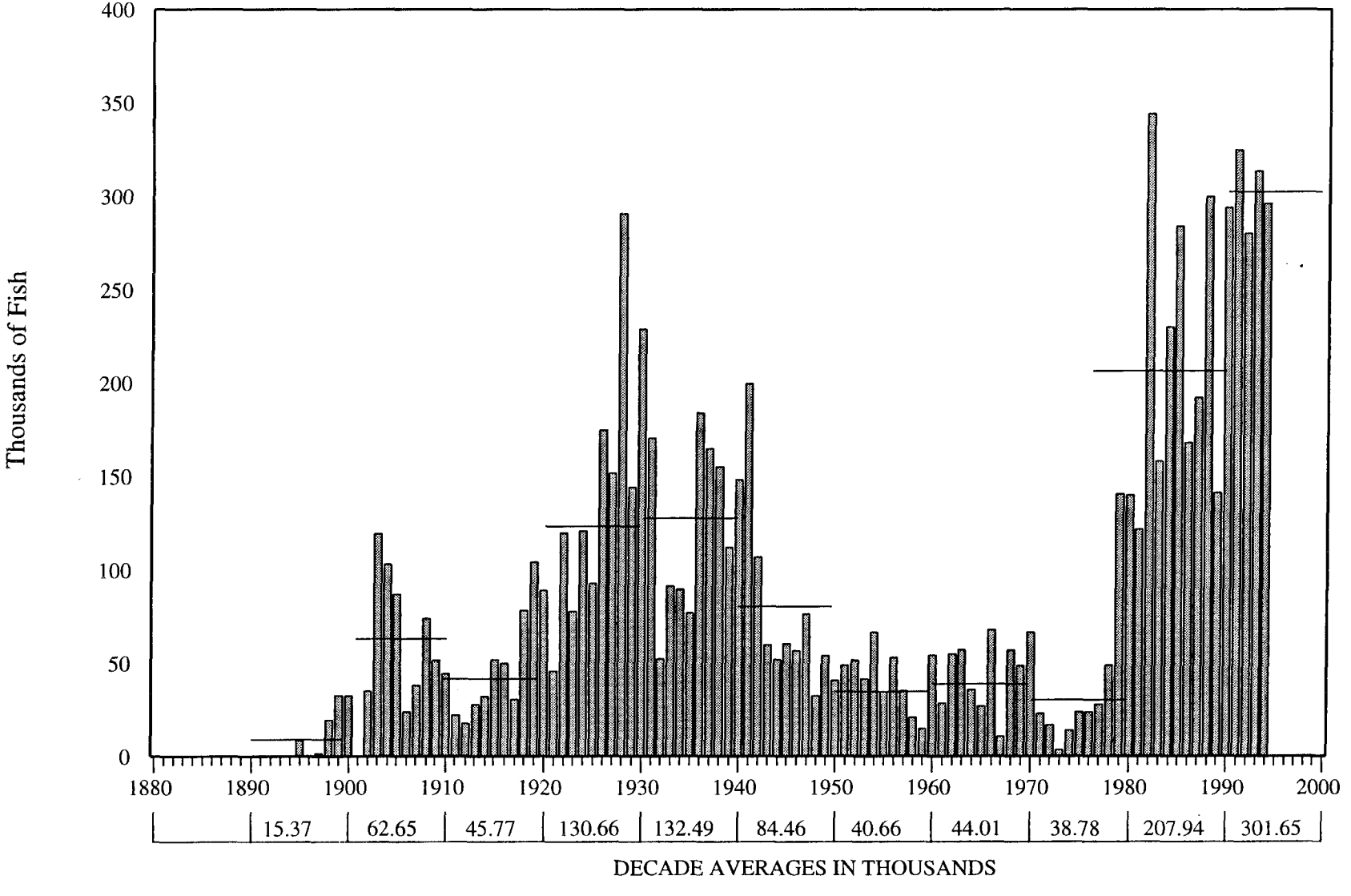


Figure 14. Coho salmon commercial harvest, all gear combined, in the Kodiak Management Area, 1895 - 1994.

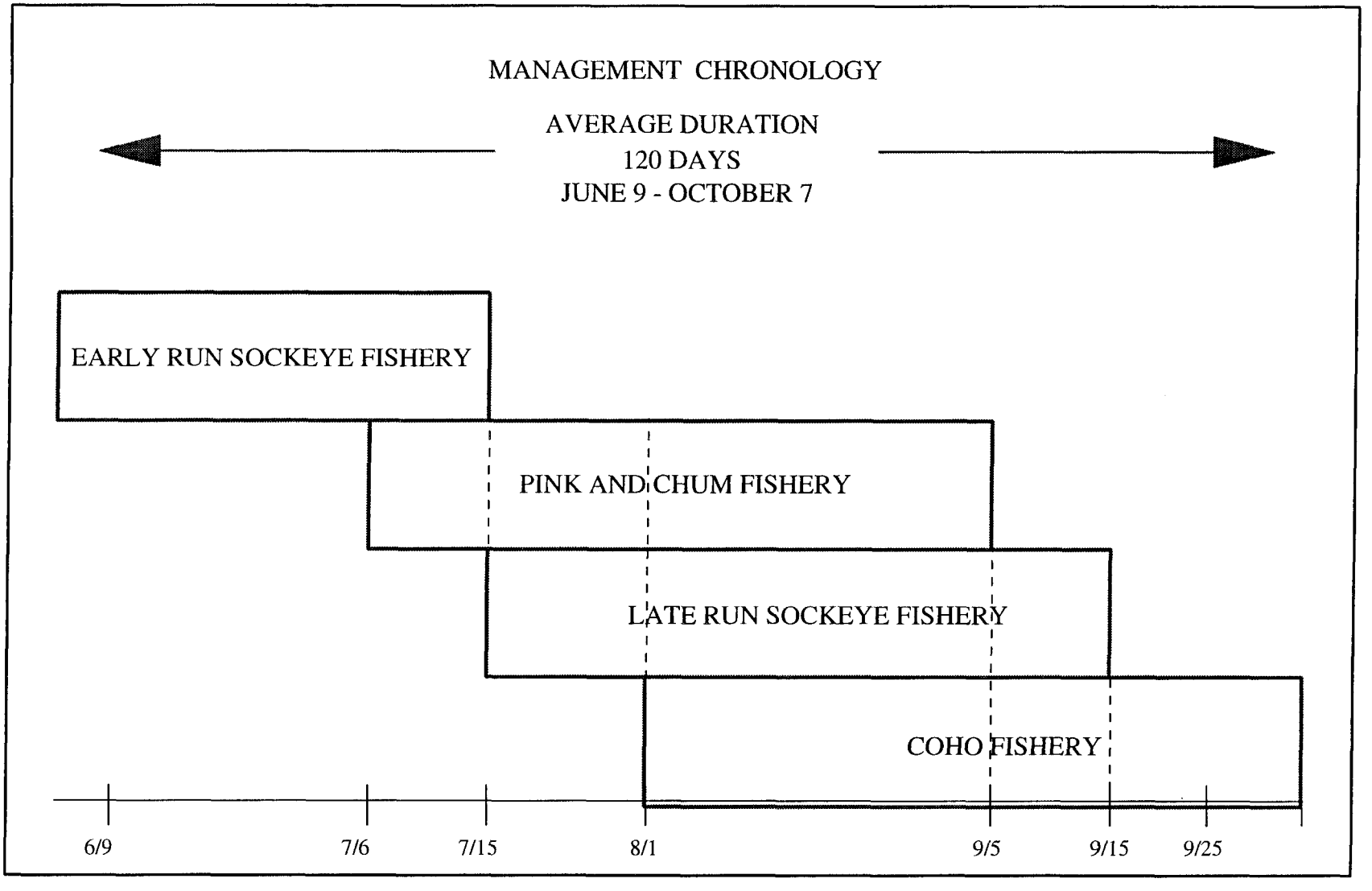
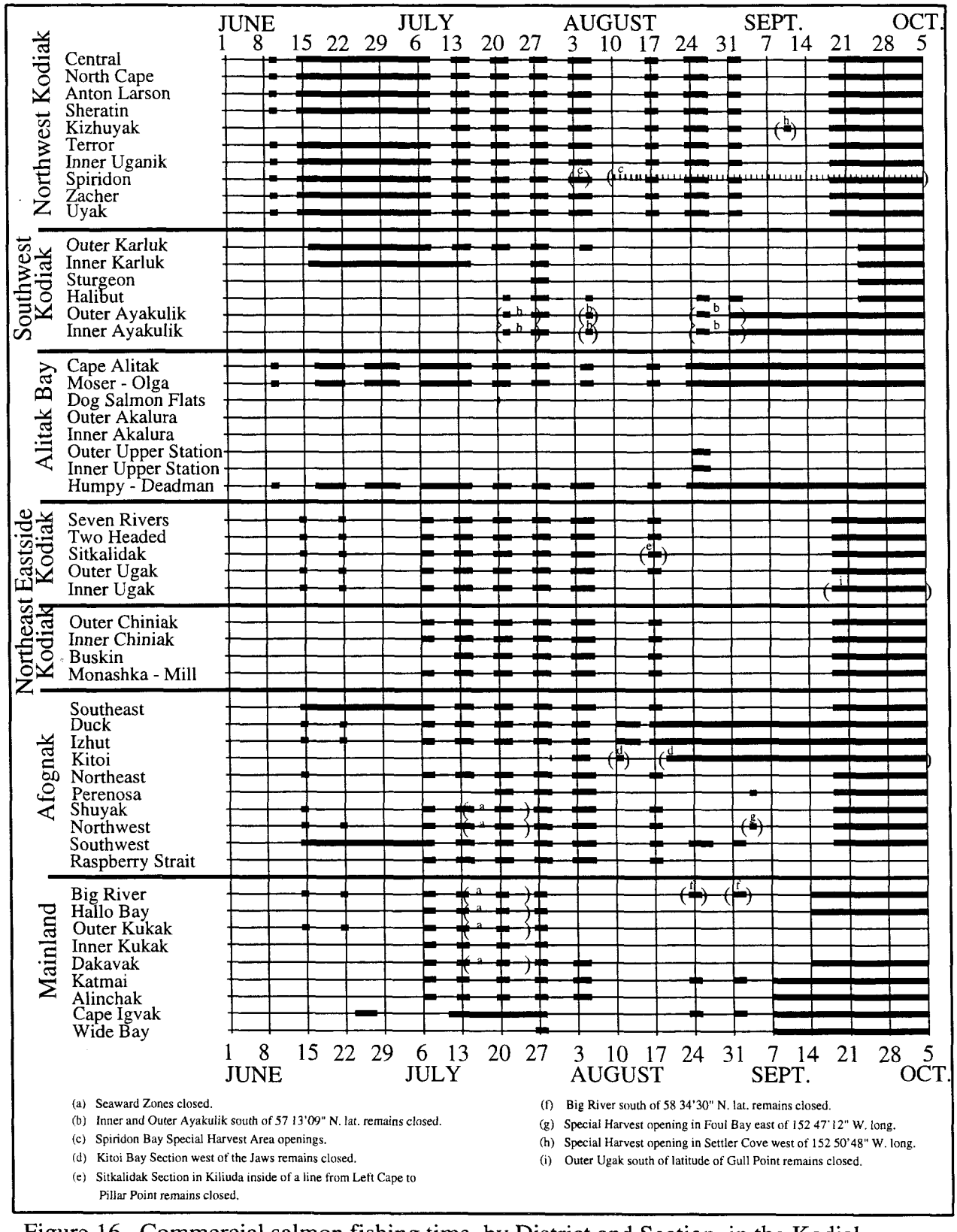


Figure 15. Commercial salmon fishery chronology, by species, in the Kodiak Management Area.



(a) Seaward Zones closed.
(b) Inner and Outer Ayakulik south of 57 13'09" N. lat. remains closed.
(c) Spiridon Bay Special Harvest Area openings.
(d) Kitoi Bay Section west of the Jaws remains closed.
(e) Sitkalidak Section in Kiliuda inside of a line from Left Cape to Pillar Point remains closed.
(f) Big River south of 58 34'30" N. lat. remains closed.
(g) Special Harvest opening in Foul Bay east of 152 47'12" W. long.
(h) Special Harvest opening in Settler Cove west of 152 50'48" W. long.
(i) Outer Ugak south of latitude of Gull Point remains closed.

Figure 16. Commercial salmon fishing time, by District and Section, in the Kodiak Management Area, 1994.

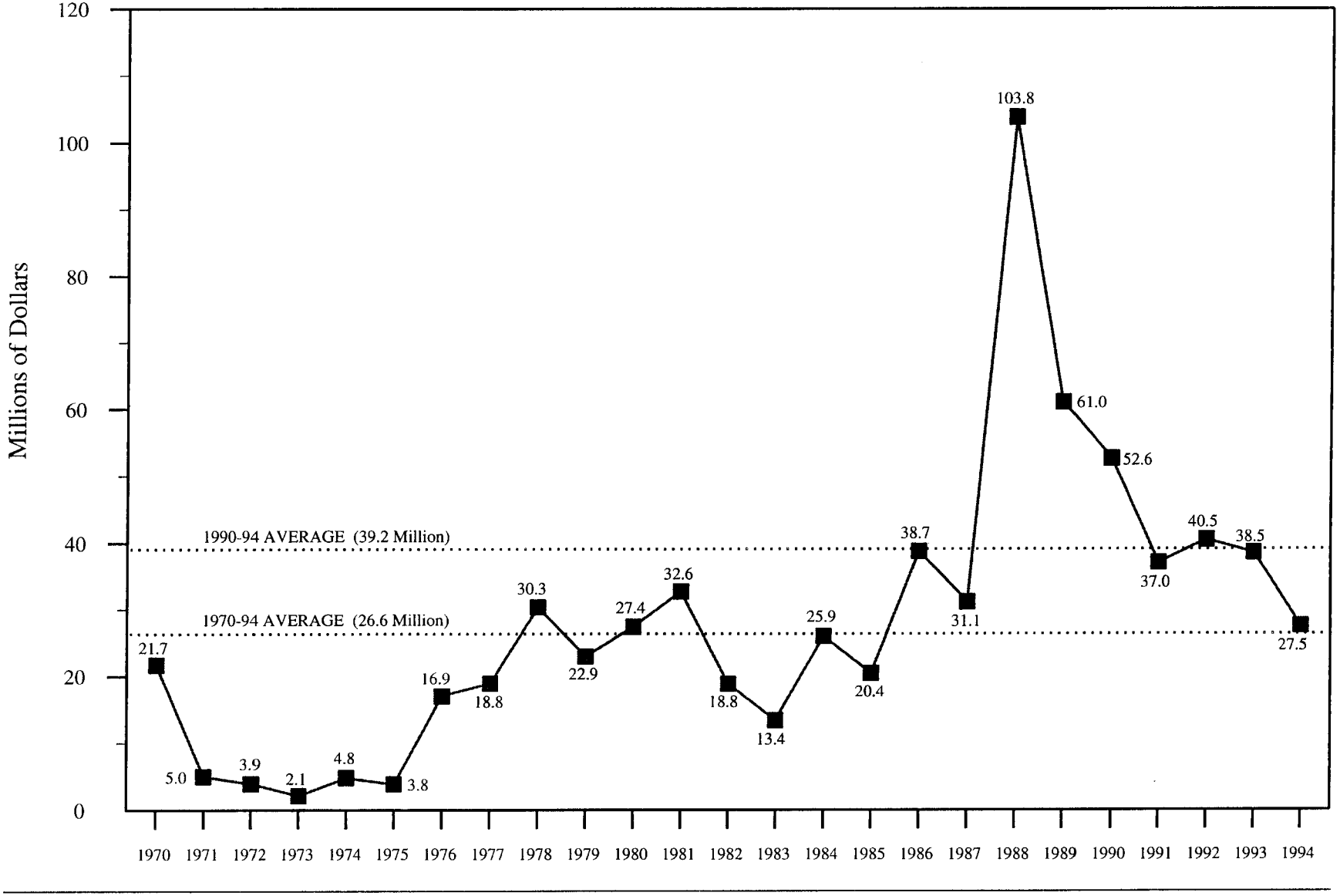


Figure 17. Average exvessel value of the commercial salmon harvest in the Kodiak Management Area, 1970 - 1994.

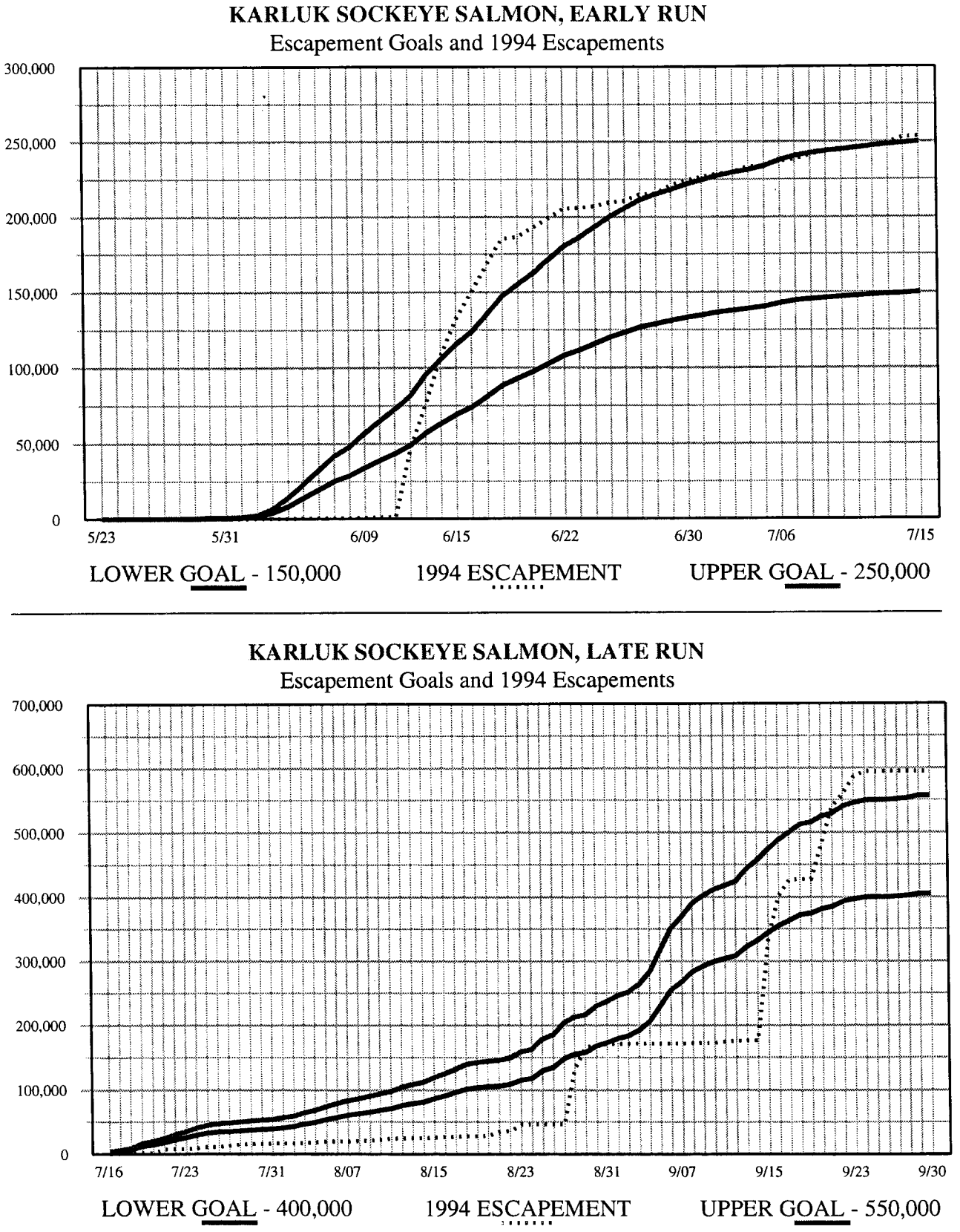
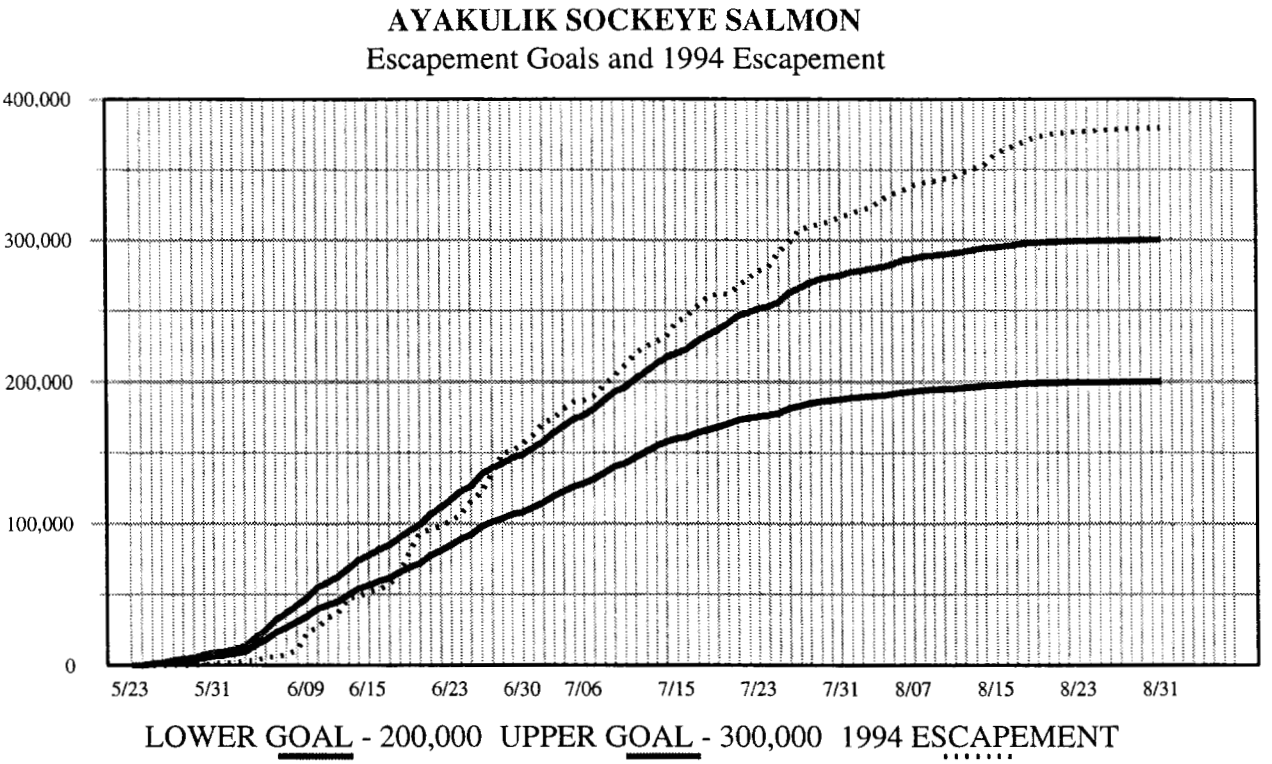


Figure 18. Sockeye salmon escapement goals vs. actual escapement for the Karluk Lake system of the Kodiak Management Area, 1994.



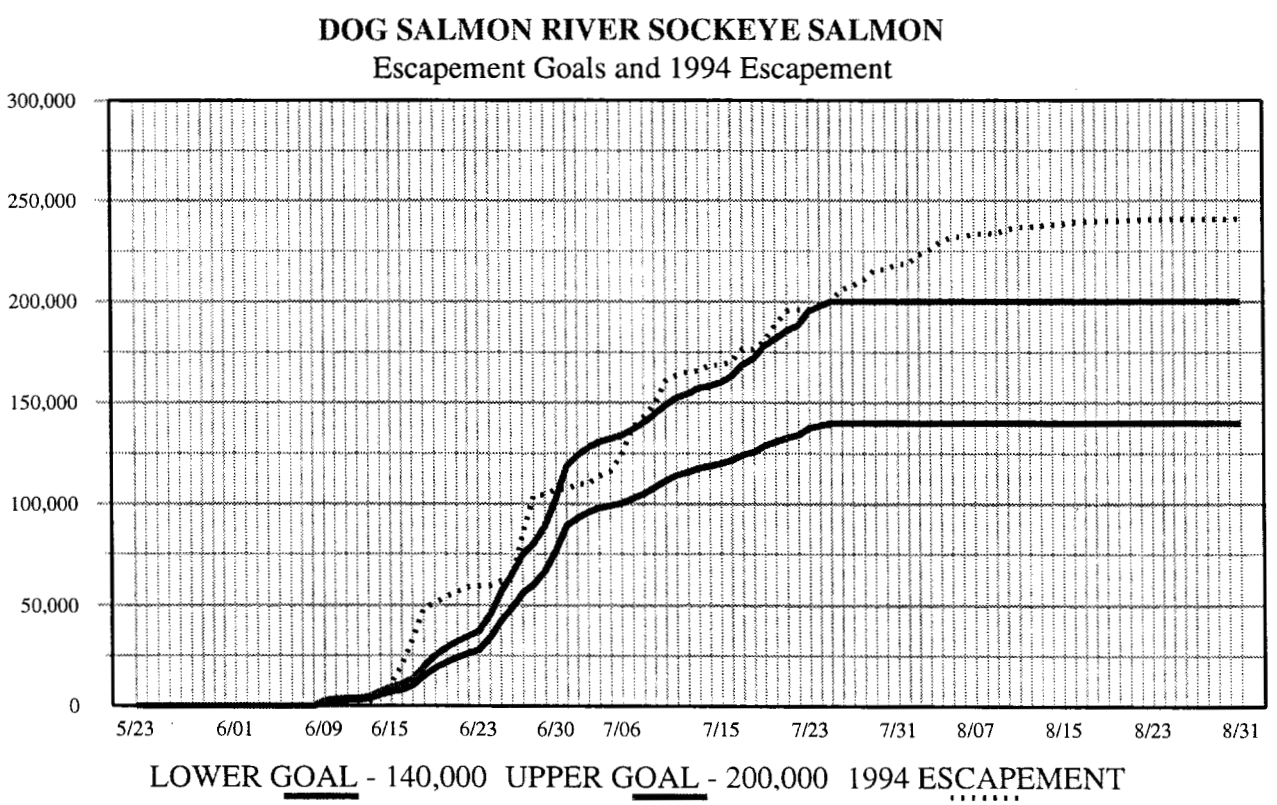
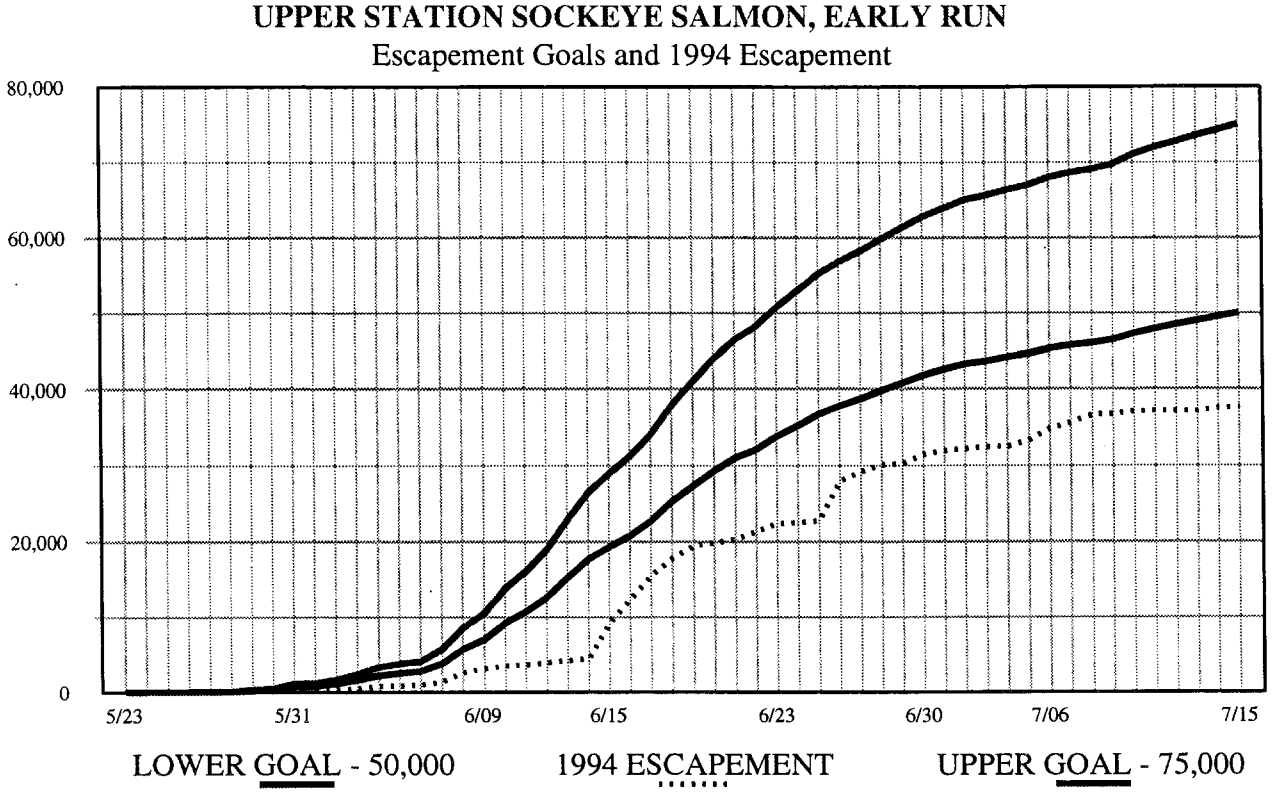


Figure 19. Sockeye salmon escapement goals vs. actual escapement for the Ayakulik and Frazer (Dog Salmon) Lake systems of the Kodiak Management Area, 1994.



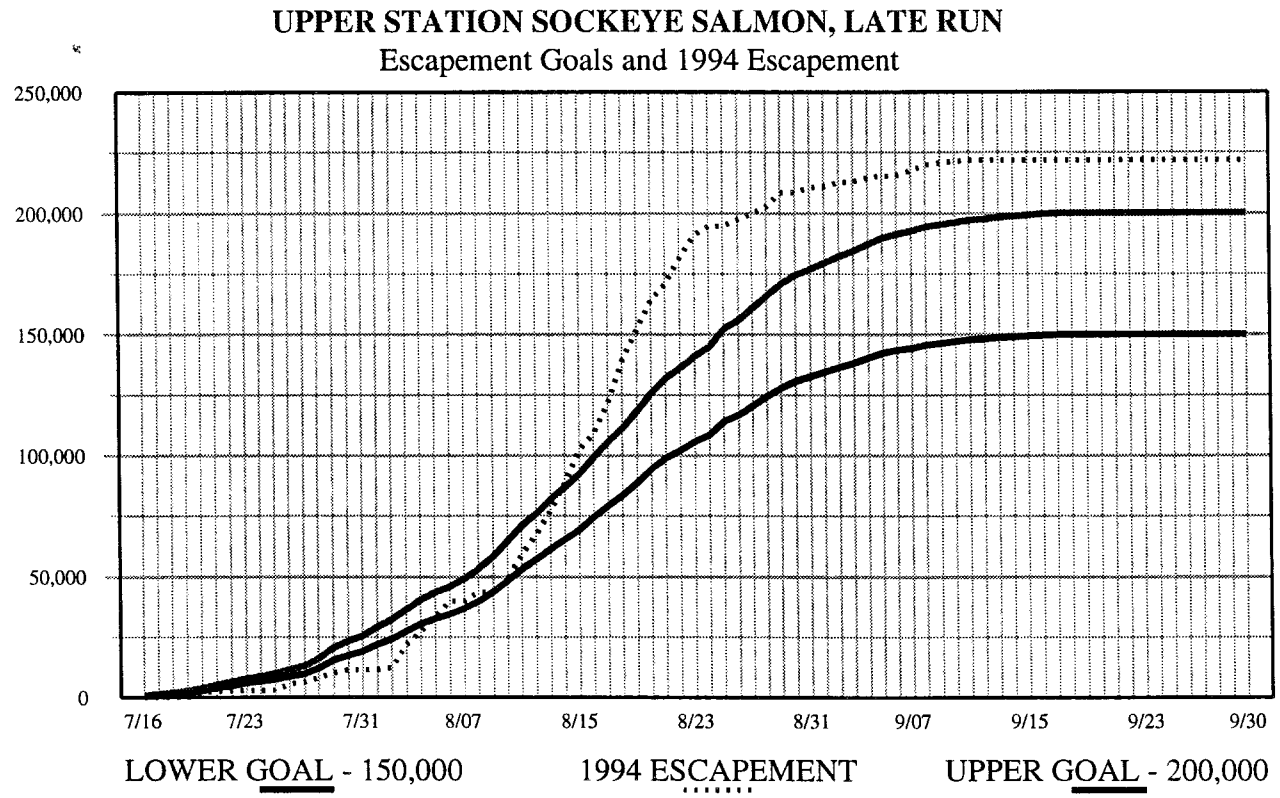
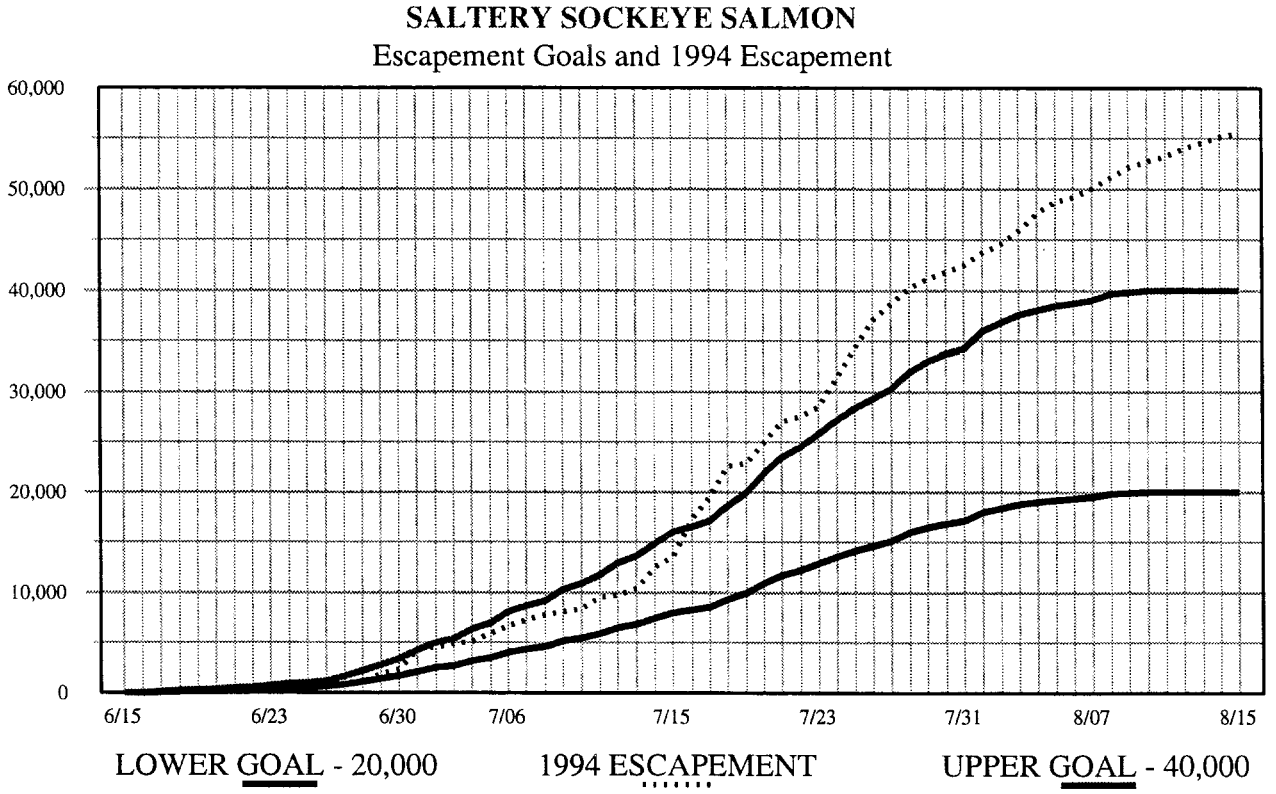


Figure 20. Sockeye salmon escapement goals vs. actual escapement for the Olga Lake system (Upper Station) of the Kodiak Management Area, 1994.



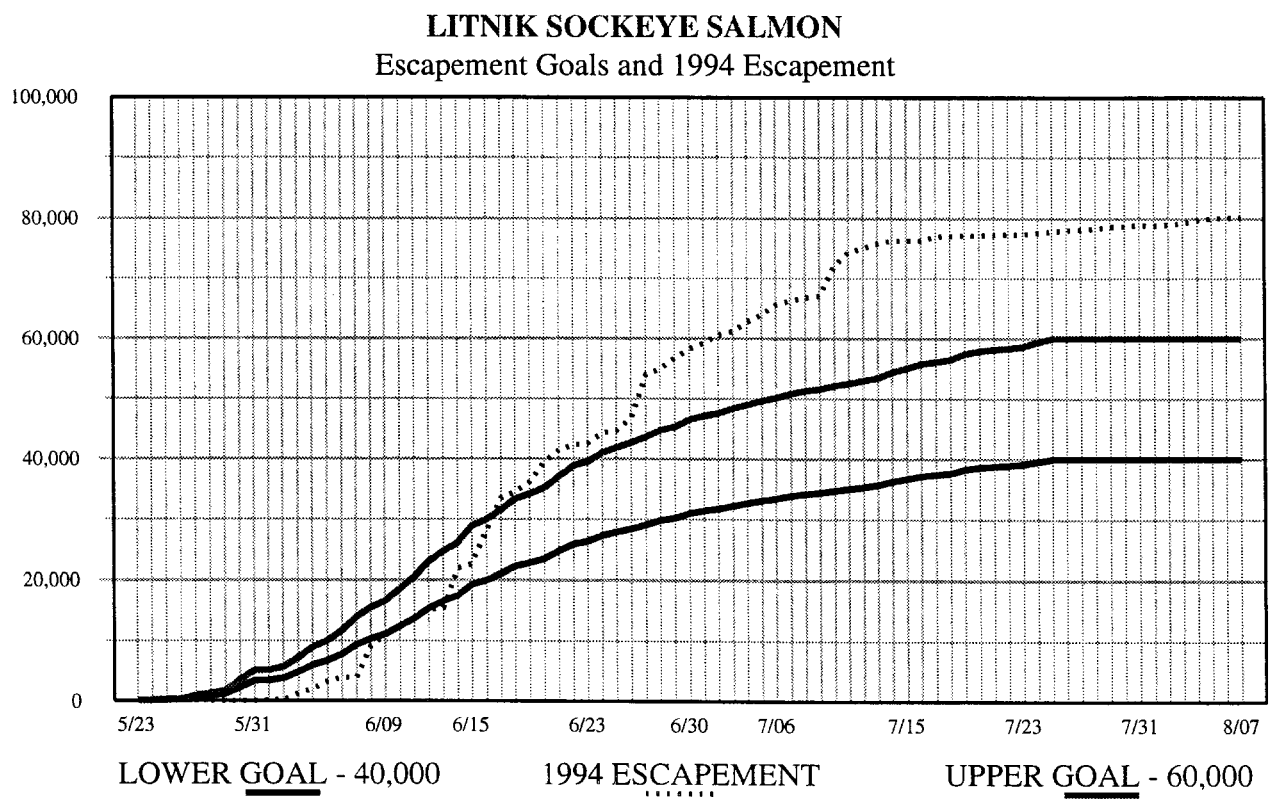
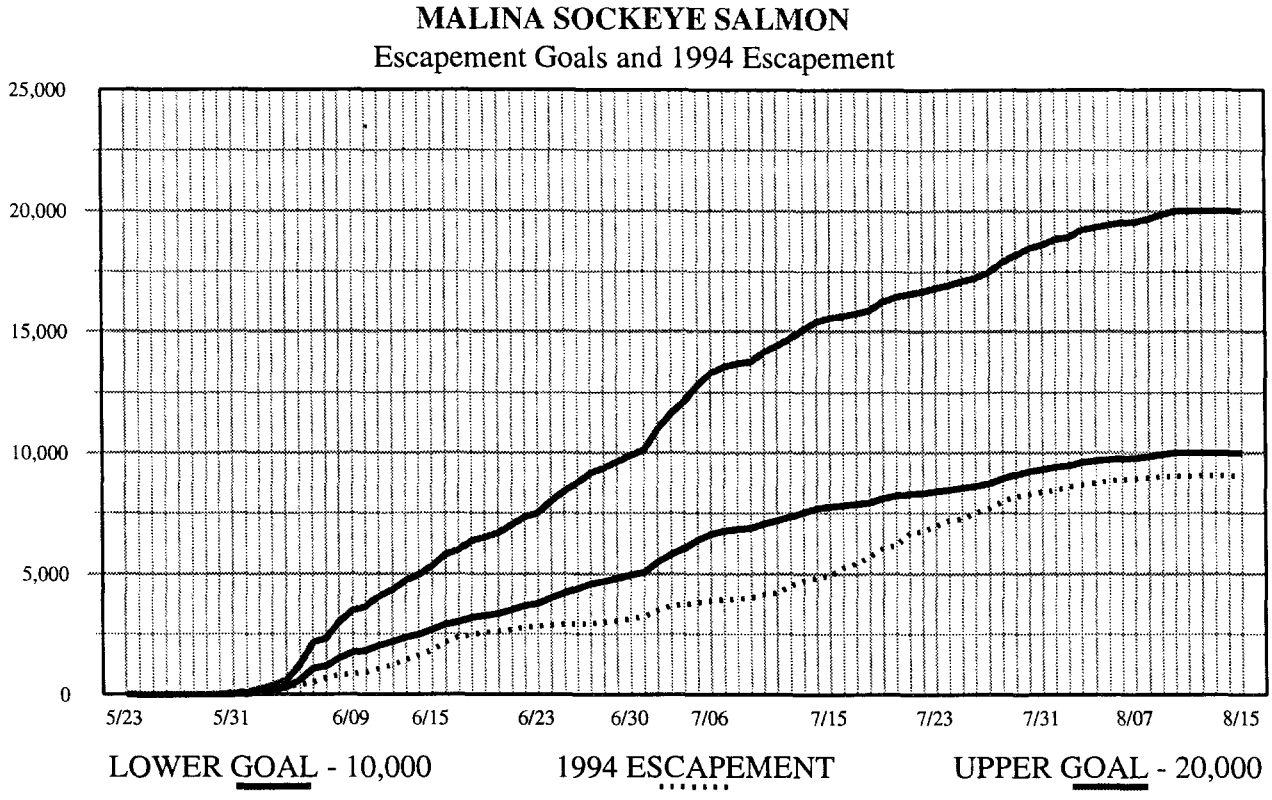


Figure 21. Sockeye salmon escapement goals vs. actual escapement for the Saltery and Afognak (Litnik) Lake systems of the Kodiak Management Area, 1994.



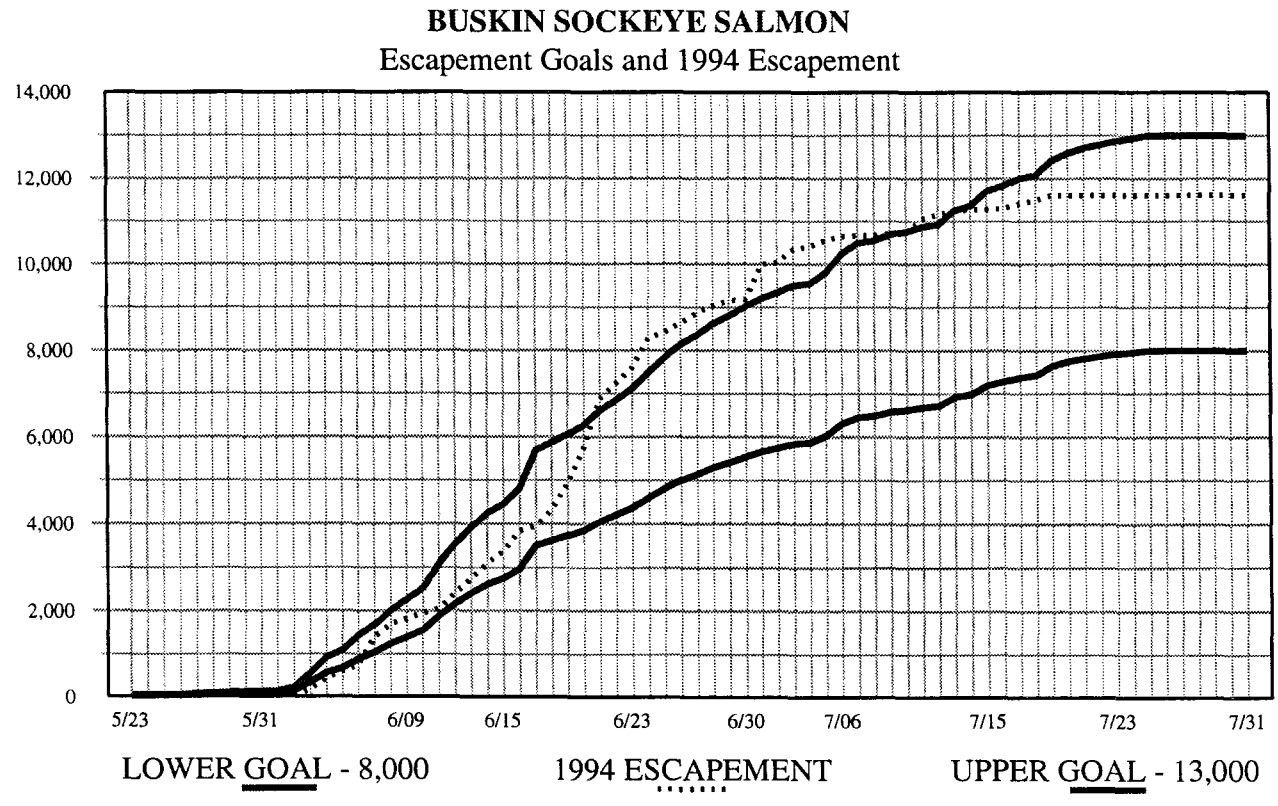
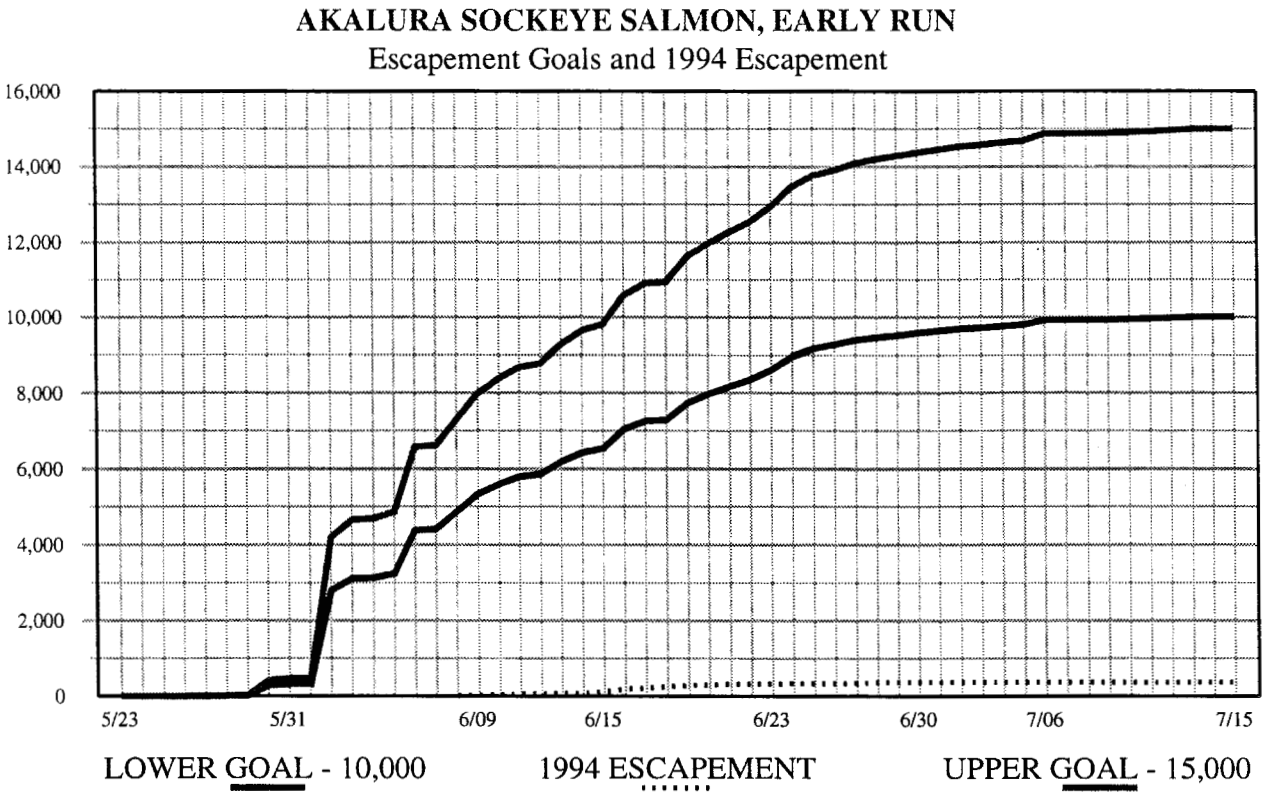


Figure 22. Sockeye salmon escapement goals vs. actual escapement for the Malina and Buskin Lake systems of the Kodiak Management Area, 1994.



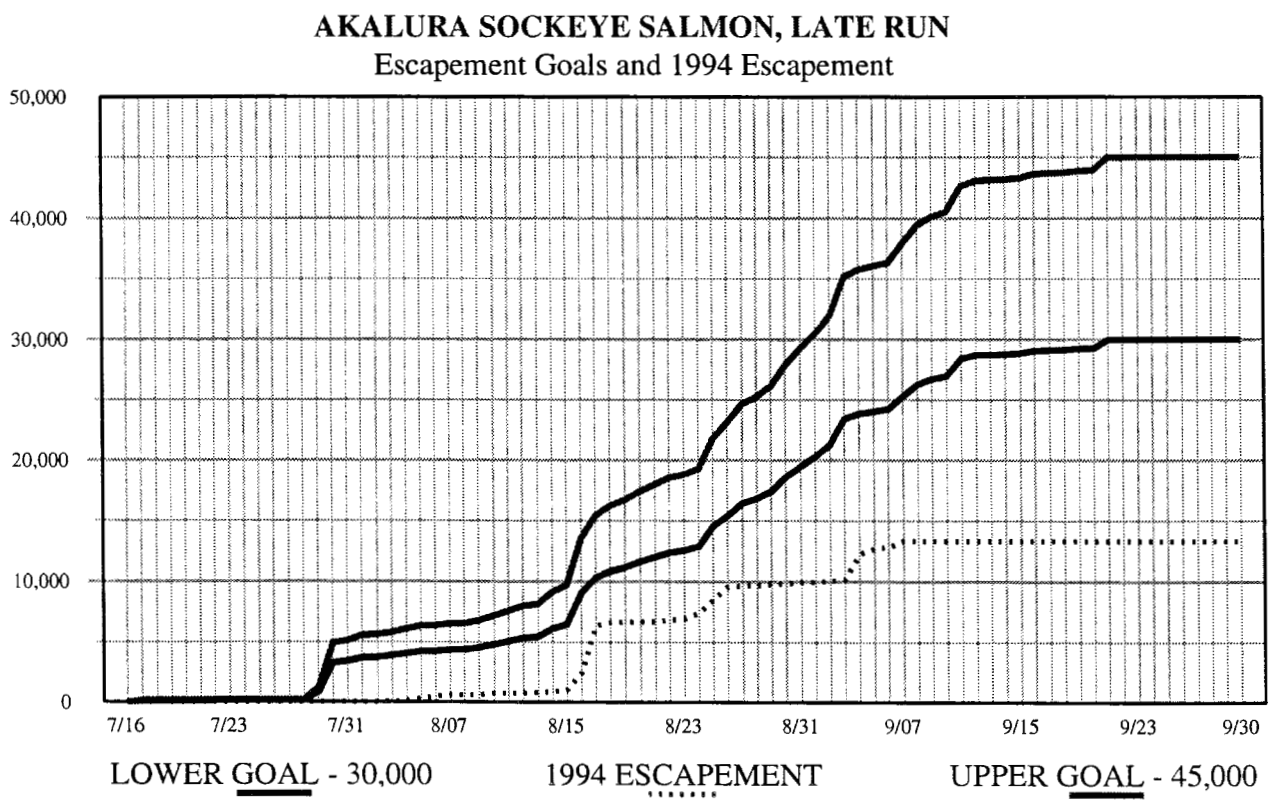


Figure 23. Sockeye salmon escapement goals vs. actual escapement for the Akalura Lake system of the Kodiak Management Area, 1994.

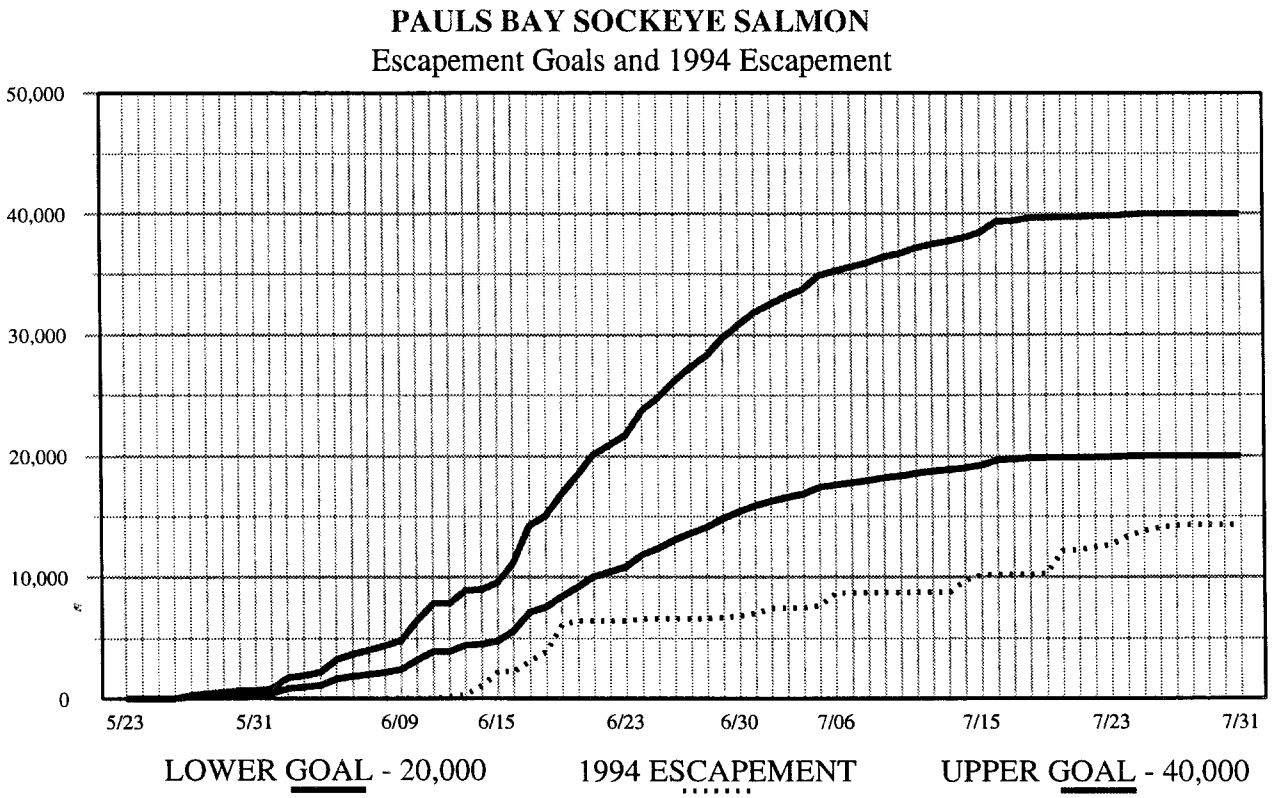
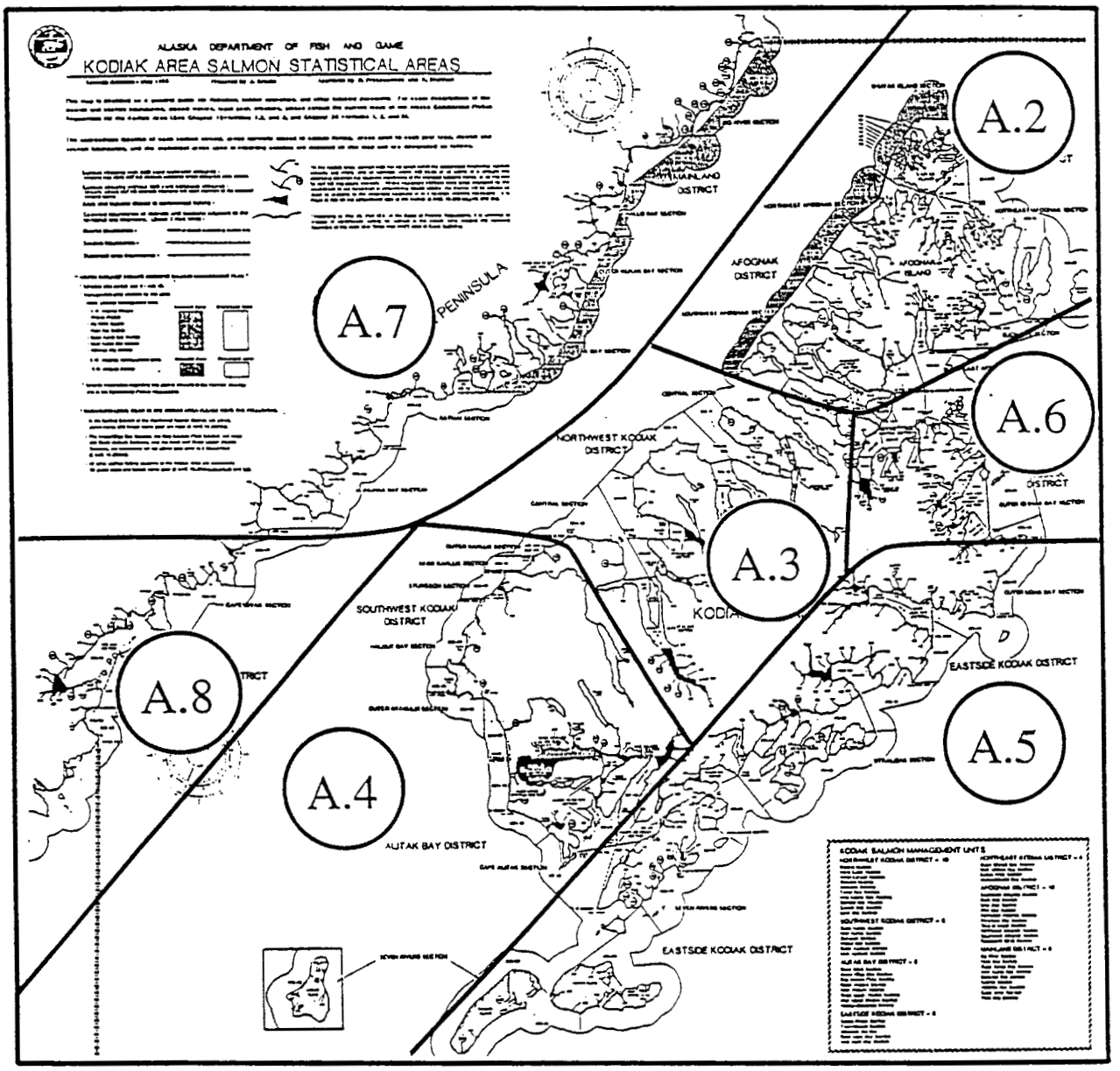
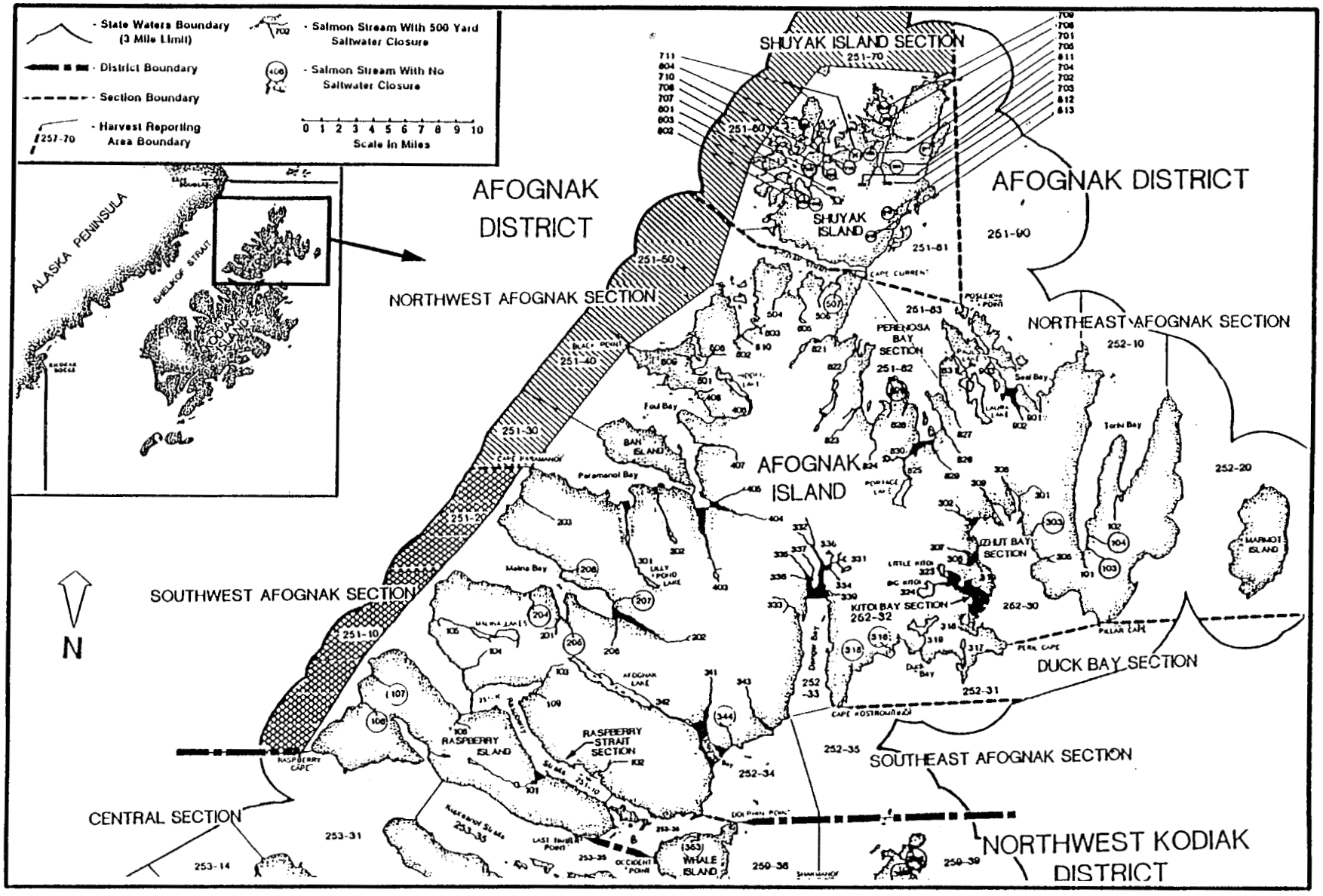


Figure 24. Sockeye salmon escapement goals vs. actual escapement for the Laura Lake system (Pauls Bay) of the Kodiak Management Area, 1994.

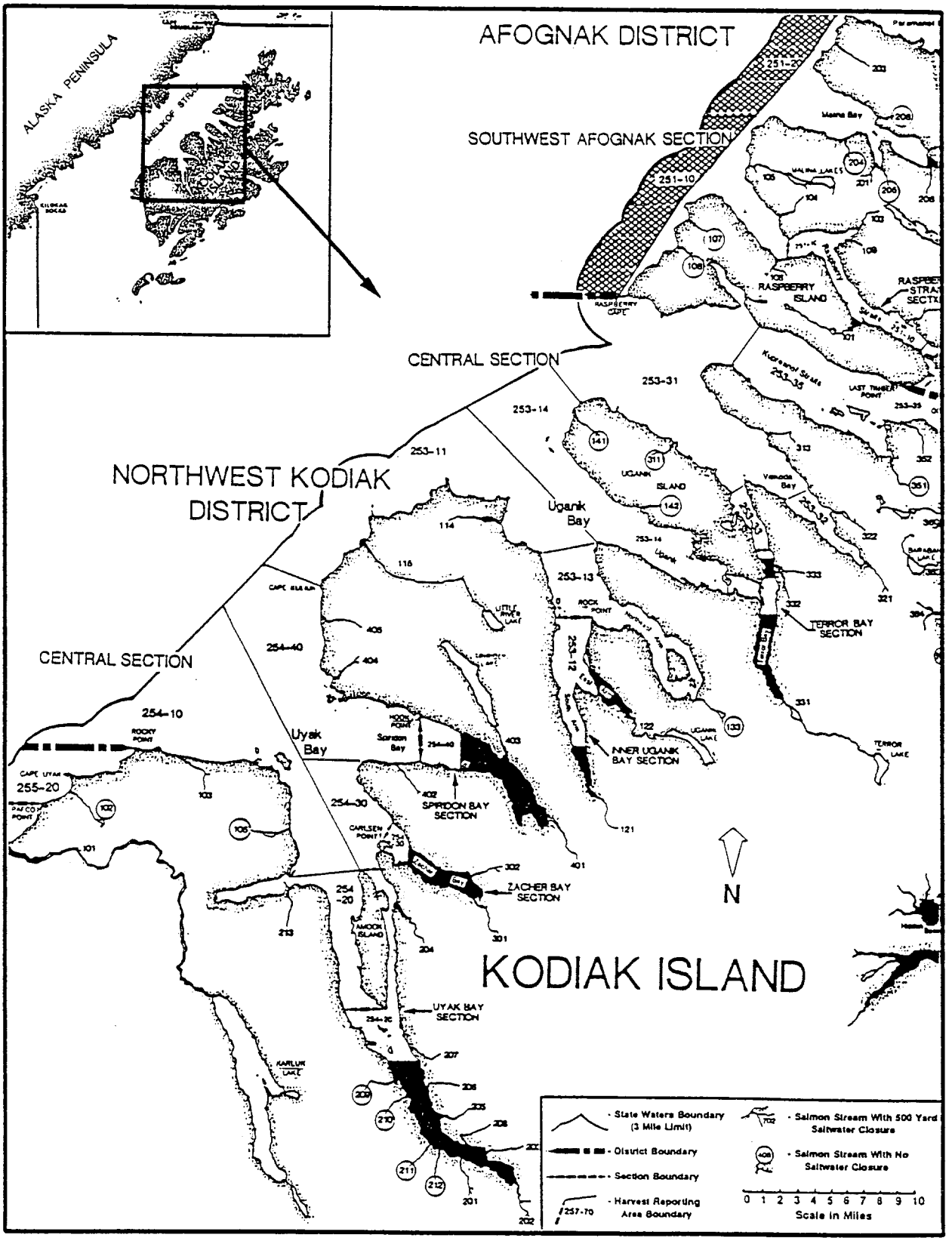
APPENDIX



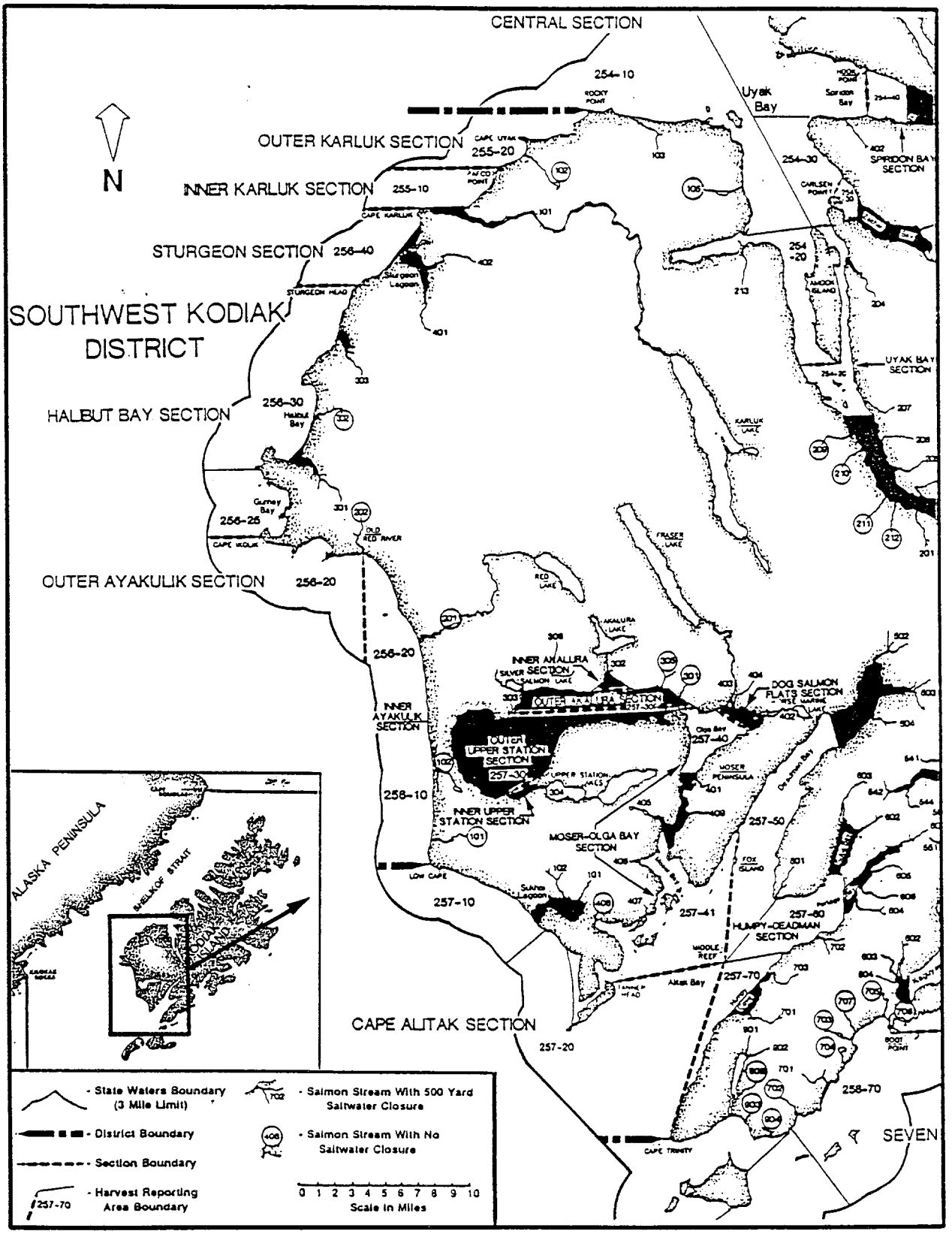
Appendix A.1. Kodiak Management Area salmon fishing district map, with key depicting Appendix number of map enlargements, 1994.



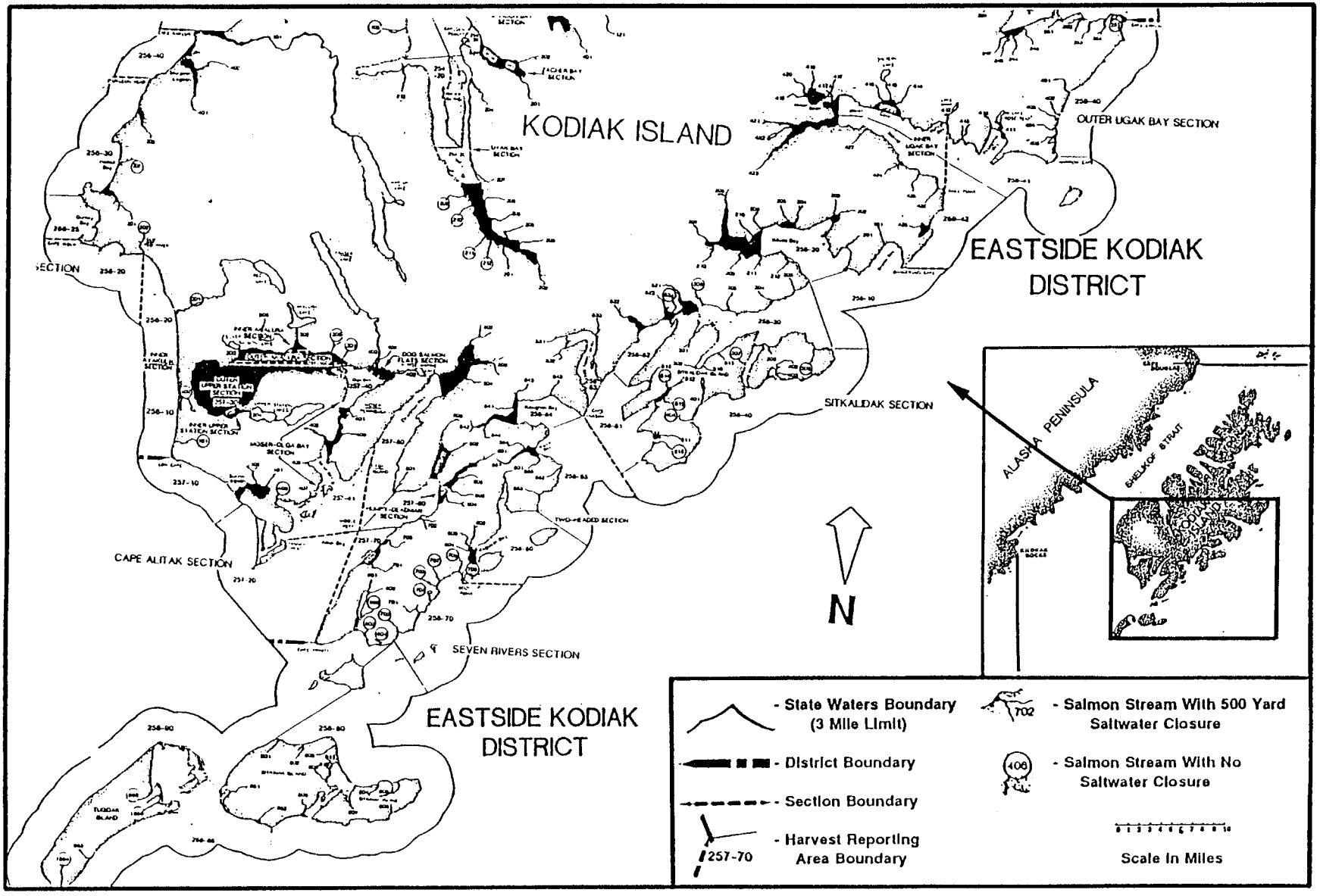
Appendix A.2. Afognak District of the Kodiak Management Area, 1994.



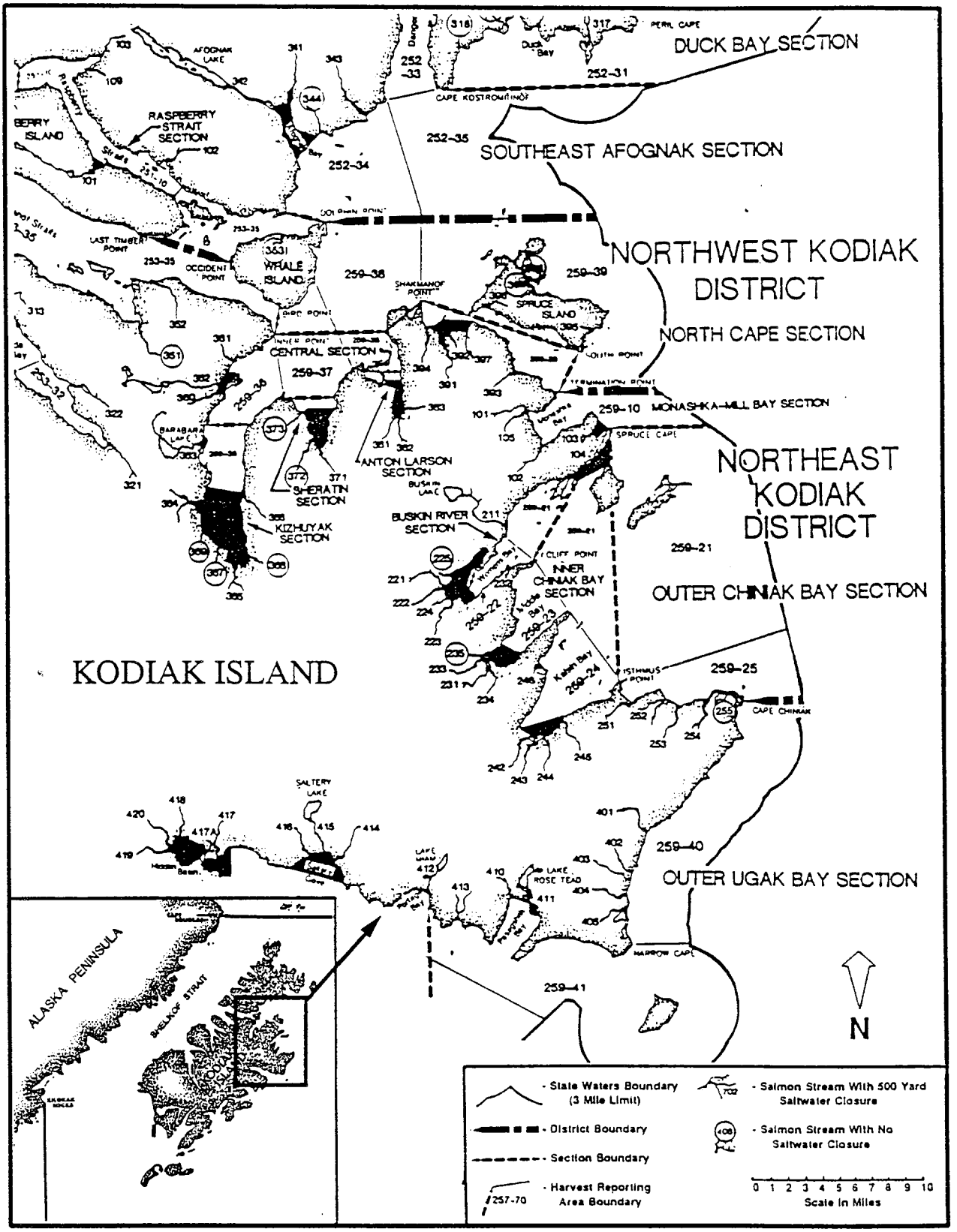
Appendix A.3. Northwest Kodiak District of the Kodiak Management Area, 1994.



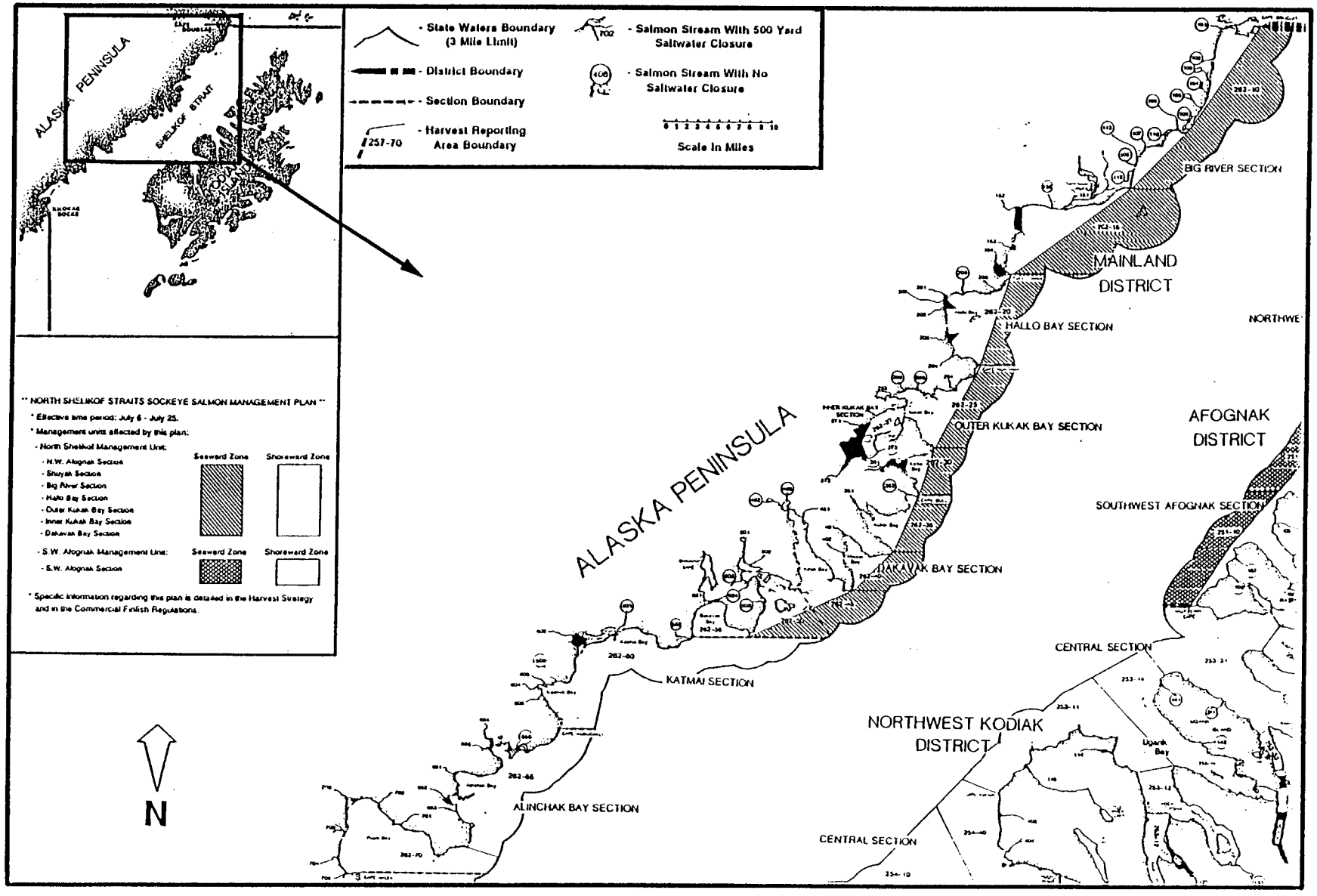
Appendix A.4. Southwest Kodiak and Alitak Bay Districts of the Kodiak Management Area, 1994.



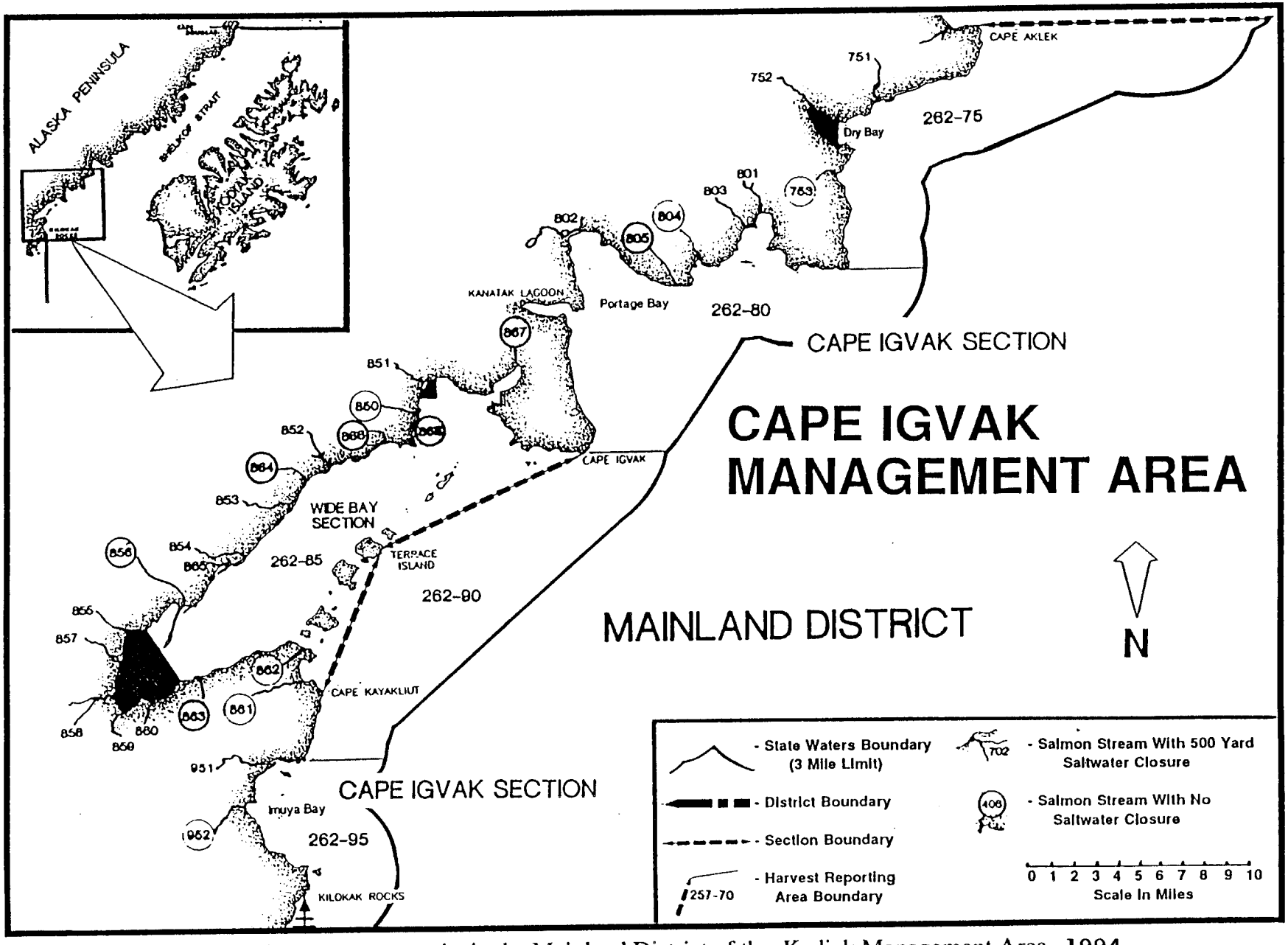
Appendix A.5. Eastside Kodiak District of the Kodiak Management Area, 1994.



Appendix A.6. Northeast Kodiak District, and the North Cape and eastern Central Sections of the Northwest Kodiak District, of the Kodiak Management Area, 1994.



Appendix A.7. North portion of the Mainland District of the Kodiak Management Area, 1994.



Appendix A.8. Cape Igvak management units in the Mainland District of the Kodiak Management Area, 1994.

Appendix B.1. Sockeye salmon escapement goals by spawning system for the Kodiak Management Area, 1994.

System		Escapement (in 1,000's of fish)[a]		
Name	Number	Minimum	Mid Pt.	Targeted
Weirs				
Karluk	255-101	560	730	900
Ayakulik	256-201	200	250	300
Upper Station	257-304	200	238	275
Frazer	257-401	140	170	200
Litnik	252-342	40	50	60
Saltery	259-415	20	30	40
Pauls	251-831	20	30	40
Buskin	259-211	10	13	15
Akalura	257-302	40	50	60
Uganik Lake	253-122	40	50	60
Subtotal		1,270	1,611	1,950
Non weir (indexed escapement)[b]				
Barabara Cove	259-363	1	3	5
Bear Lake	262-655	1	3	5
Big Bay	251-601	1	3	5
Horse Marine	257-402	5	8	10
Kaflia	262-301	15	20	25
Kaguyak	258-706	0.5	1	1
Kanatak	262-802	1	3	5
Kuliak	262-351	1	3	5
Little Afognak	252-319	1	3	5
Little Danger	252-331	1	1	1
Little Kitoi	252-323	1	1	1
Little River	253-116	15	20	25
Long Lagoon Cr.	251-301	1	3	5
Malina	251-105	5	8	10
Matfay	257-704	0.5	1	1
Miam	259-412	1	3	5
Ocean Beach	258-401	5	8	10
Old Red River	258-202	0.5	1	1
Paramonof	251-301	1	1	1
Pasagshak	259-411	1	3	5
Perenosa	251-825	5	8	10
Pivot Point	258-212	0.5	1	1
Red Fox	251-505	1	1	1
Russian Harbor	258-901	1	1	1
Selief	251-101	1	3	5
Silver Salmon	257-303	1	3	5

-Continued-

Appendix B.1. (page 2 of 2)

System Name	System Number	Escapement (in 1,000's of fish)[a] Minimum	Mid Pt.	Targeted
Swikshak	262-151	15	20	25
Slough Crk.	262-105	0.5	1	1
Thorsheim	251-302	5	8	10
Total indexed escapement [b]		88.5	143	190.0
Estimated total escapement for indexed systems[c]		177	286	380
Estimated total escapement for systems with weirs and indexed by aerial surveys		1,447	1,754	2,140

[a] Source: Barrett et al. (1990) and Malloy et al. (1992).

[b] Indexed escapement represents a peak aerial escapement count.

[c] Indexed escapement expanded by a factor of 2.0 for an estimate of total escapement (Barrett et al. 1985).

Appendix B.2. Pink salmon odd and even year index stream escapement goals for the Kodiak Management Area, 1994.

Index Stream	Stream Number	Even Year Indexed Goal[a,b] Minimum	Even Year Indexed Goal[a,b] Targeted	Odd Year Indexed Goal[a,b] Minimum	Odd Year Indexed Goal[a,b] Targeted
AFOGNAK DISTRICT					
Malina	(251-105)	20,000	60,000	5,000	15,000
Paramanof	(251-404)	10,000	30,000	5,000	15,000
Little Waterfall[c]	(251-822)	15,000	45,000	15,000	45,000
Discoverer	(251-830)	20,000	60,000	20,000	60,000
Pauls Bay[c]	(251-831)	3,000	9,000	3,000	9,000
Seal Bay	(251-901)	5,000	15,000	5,000	15,000
Big Danger	(252-332)	15,000	45,000	10,000	30,000
Marka	(252-334)	30,000	90,000	10,000	30,000
Litnik[c]	(252-342)	30,000	90,000	10,000	30,000
	Subtotal	148,000	444,000	83,000	249,000
N.W. KODIAK DISTRICT					
Sheratin	(253-371)	15,000	45,000	10,000	30,000
Baumans	(253-333)	5,000	15,000	5,000	15,000
Terror	(253-331)	40,000	120,000	30,000	90,000
Uganik	(253-122)	80,000	240,000	70,000	210,000
Little	(253-115)	40,000	120,000	15,000	45,000
Zachar	(254-301)	40,000	120,000	20,000	60,000
Browns	(254-204)	40,000	120,000	5,000	15,000
Uyak	(254-202)	50,000	150,000	50,000	150,000
Uyak	(259-203)	5,000	15,000	15,000	45,000
	Subtotal	315,000	945,000	220,000	660,000
S.W. KODIAK DISTRICT					
Karluk[c]	(255-101)	800,000	1,600,000	20,000	60,000
Sturgeon	(256-401)	50,000	150,000	5,000	15,000
Ayakulik[c]	(256-201)	400,000	800,000	5,000	15,000
	Subtotal	1,250,000	2,550,000	30,000	90,000
ALITAK DISTRICT					
Narrows	(257-401)	2,000	6,000	2,000	6,000
Dog Salmon[c]	(257-403)	50,000	150,000	60,000	180,000
Deadman	(257-502)	40,000	120,000	60,000	180,000
Humpy	(257-701)	70,000	210,000	90,000	270,000
	Subtotal	162,000	486,000	212,000	636,000
N.E. KODIAK DISTRICT					
Sid Olds	(259-242)	30,000	90,000	30,000	90,000
American	(259-231)	30,000	90,000	30,000	90,000
Buskin[c]	(259-211)	60,000	180,000	50,000	150,000
	Subtotal	120,000	360,000	110,000	330,000
EASTSIDE KODIAK DISTRICT					
7-Rivers	(258-701)	40,000	120,000	40,000	120,000
Kaiugnak	(258-542)	10,000	30,000	10,000	30,000
Barling	(258-522)	30,000	90,000	30,000	90,000
Kiliuda	(258-207)	20,000	60,000	10,000	30,000
Saltery[c]	(259-415)	20,000	60,000	30,000	90,000
Miam	(259-412)	20,000	60,000	10,000	30,000
Hurst	(259-414)	10,000	30,000	10,000	30,000
	Subtotal	150,000	450,000	140,000	420,000
MAINLAND KODIAK DISTRICT					
Big River	(262-152)	10,000	30,000	10,000	30,000
Village	(262-153)	15,000	45,000	15,000	45,000
Cape Chiniak	(262-205)	5,000	15,000	3,000	9,000
Big Hallo	(262-203)	2,000	6,000	2,000	6,000
Kukak	(262-271)	3,000	9,000	2,000	6,000
Missak	(262-402)	5,000	15,000	3,000	9,000
Kinak	(262-451)	20,000	60,000	20,000	60,000

-Continued-

Appendix B.2. (page 2 of 2)

Index Stream	Stream Number	Even Year Indexed Goal[a,b] Minimum	Even Year Indexed Goal[a,b] Targeted	Odd Year Indexed Goal[a,b] Minimum	Odd Year Indexed Goal[a,b] Targeted
MAINLAND KODIAK DISTRICT (continued)					
Geographic	(262-501)	4,000	12,000	4,000	12,000
Dakavak	(262-551)	25,000	75,000	20,000	60,000
Kashvik	(262-604)	25,000	75,000	25,000	75,000
Big Alinchak	(262-651)	30,000	90,000	20,000	60,000
Portage	(262-702)	15,000	45,000	10,000	30,000
Oil	(262-751)	15,000	45,000	10,000	30,000
Jute	(262-801)	2,000	6,000	1,000	3,000
Kanatak	(262-802)	10,000	30,000	10,000	30,000
Big Creek	(262-851)	70,000	210,000	60,000	180,000
	Subtotal	256,000	768,000	215,000	645,000
	GRAND TOTAL[d]	2,401,000	6,003,000	1,010,000	3,030,000

[a] Source: Barrett et al. (1990) and Malloy et al. (1992).

[b] Index escapement for non weir systems are peak counts.

[c] Systems where the escapement is counted through weirs.

[d] The 51 listed index streams average 73% of the total KMA escapement based on 1969-87 escapement distribution data from 1966 through 1991.

Appendix B.3. Chum salmon indexed escapement goals and estimated total escapement goals for selected streams, 1994.

Index Stream	Stream Number	Indexed Escapement[a] Minimum	Indexed Escapement[a] Targeted	Estimated Total Escapement[a] Minimum	Estimated Total Escapement[a] Targeted	Estimated Total Escapement[a] Mid Point
NORTHWEST KODIAK DISTRICT						
Red Cloud	(259-382)	3,000	9,000	4,173	12,518	8,345
Slough Trail	(259-383)	1,000	3,000	1,391	4,173	2,782
Sheratin	(259-371)	5,000	15,000	6,954	20,863	13,908
Kizhuyak	(259-365)	8,000	24,000	11,127	33,380	22,253
Terror	(253-331)	5,000	15,000	6,954	20,863	13,908
Uganik	(253-122)	10,000	30,000	13,908	41,725	27,817
Spiridon	(254-401)	15,000	45,000	20,863	62,588	41,725
Zachar	(254-301)	15,000	45,000	20,863	62,588	41,725
Uyak	(254-202)	10,000	30,000	13,908	41,725	27,817
Subtotal		72,000	216,000	100,140	300,421	200,281
SOUTHWEST KODIAK DISTRICT						
Sturgeon	(256-401)	50,000	150,000	69,542	208,626	139,084
Subtotal		50,000	150,000	69,542	208,626	139,084
ALITAK DISTRICT						
Big Sukhoi	(257-102)	20,000	60,000	27,817	83,450	55,633
Dog Salmon[b]	(257-403)	2,000	6,000	2,000	6,000	4,000
Narrows	(257-401)	2,000	6,000	2,782	8,345	5,563
Deadman	(257-502)	5,000	15,000	6,954	20,863	13,908
Sulua	(257-603)	8,000	24,000	11,127	33,380	22,253
Portage	(257-601)	1,000	3,000	1,391	4,173	2,782
Subtotal		38,000	114,000	52,070	156,210	104,140
NORTHEAST KODIAK DISTRICT						
Kalsin River	(259-243)	1,000	3,000	1,391	4,173	2,782
Sid Olds	(259-242)	6,000	18,000	8,345	25,035	16,690
American	(259-231)	6,000	18,000	8,345	25,035	16,690
Salt Creek	(259-233)	2,000	6,000	2,782	8,345	5,563
Salonie Creek	(259-223)	1,000	3,000	1,391	4,173	2,782
Russian River	(259-222)	2,000	6,000	2,782	8,345	5,563
Sargent Creek	(259-221)	2,000	6,000	2,782	8,345	5,563
Subtotal		20,000	60,000	27,817	83,450	55,633
EASTSIDE KODIAK DISTRICT						
Sitkinak Chum	(258-807)	3,000	9,000	4,173	12,518	8,345
Kaguyak	(258-602)	5,000	15,000	6,954	20,863	13,908
Kiavak Portage	(258-551)	1,000	3,000	1,391	4,173	2,782
Kaiugnak	(258-603)	3,000	9,000	4,173	12,518	8,345
Barling	(258-522)	3,000	9,000	4,173	12,518	8,345
Midway	(258-521)	5,000	15,000	6,954	20,863	13,908
Newman	(258-513)	3,000	9,000	4,173	12,518	8,345
Natalia	(258-512)	3,000	9,000	4,173	12,518	8,345
Rolling	(258-511)	4,000	12,000	5,563	16,690	11,127
Amee	(258-301)	1,000	3,000	1,391	4,173	2,782
McCord Beach	(258-302)	1,000	3,000	1,391	4,173	2,782
Pivot Point	(258-212)	1,000	3,000	1,391	4,173	2,782
Marker Grove	(258-211)	1,000	3,000	1,391	4,173	2,782
Dukaluk	(258-208)	2,000	6,000	2,782	8,345	5,563
W. Kiliuda	(258-207)	8,000	24,000	11,127	33,380	22,253
E. Kiliuda	(258-206)	3,000	9,000	4,173	12,518	8,345
Burn's Spit	(258-210)	1,000	3,000	1,391	4,173	2,782
Coxcomb Point	(258-205)	6,000	18,000	8,345	25,035	16,690
Dog Bay	(258-204)	6,000	18,000	8,345	25,035	16,690
Shearwater	(258-202)	1,000	3,000	1,391	4,173	2,782
Gull Cape	(259-428)	8,000	24,000	11,127	33,380	22,253
Eagle Harbor	(259-424)	4,000	12,000	5,563	16,690	11,127
Kiliuda Pass	(259-423)	2,000	6,000	2,782	8,345	5,563
Hidden Basin	(259-418)	4,000	12,000	5,563	16,690	11,127

-Continued-

Appendix B.3. (page 2 of 2)

Index Stream	Stream Number	Indexed Minimum	Indexed Desired	Est. Total Minimum	Est. Total Desired	Est. Total Mid Point
Wild Creek	(259-417)	2,000	6,000	2,782	8,345	5,563
Rough Creek	(259-416)	3,000	9,000	4,173	12,518	8,345
Saltery[b]	(259-415)	2,000	6,000	2,000	6,000	4,000
Miam	(259-412)	2,000	6,000	2,782	8,345	5,563
Subtotal		88,000	264,000	121,612	364,836	243,224
MAINLAND DISTRICT						
Productive Forks	(262-108)	1,000	3,000	1,391	4,173	2,782
Swikshak	(262-151)	2,000	6,000	2,782	8,345	5,563
Big River	(262-152)	40,000	120,000	55,633	166,900	111,267
Village Creek	(262-153)	10,000	30,000	13,908	41,725	27,817
Chiniak Lagoon	(262-154)	8,000	24,000	11,127	33,380	22,253
Ninagiak	(262-201)	5,000	15,000	6,954	20,863	13,908
Serpent	(262-203)	10,000	30,000	13,908	41,725	27,817
Cape Chiniak	(262-205)	1,000	3,000	1,391	4,173	2,782
Kukak River	(262-271)	60,000	180,000	83,450	250,351	166,900
Kukak Valley	(262-272)	3,000	9,000	4,173	12,518	8,345
Kinak Creek	(262-451)	2,000	6,000	2,782	8,345	5,563
Dakavak	(262-551)	10,000	30,000	13,908	41,725	27,817
Alagogshak	(262-602)	25,000	75,000	34,771	104,313	69,542
Kashvik	(262-604)	5,000	15,000	6,954	20,863	13,908
Big Alinchak	(262-651)	2,000	6,000	2,782	8,345	5,563
Little Alinchak	(262-652)	1,000	3,000	1,391	4,173	2,782
East Bear	(262-654)	8,000	24,000	11,127	33,380	22,253
West Bear	(262-656)	3,000	9,000	4,173	12,518	8,345
Portage	(262-702)	1,000	3,000	1,391	4,173	2,782
Teresa	(262-703)	8,000	24,000	11,127	33,380	22,253
Trail Creek	(262-704)	8,000	24,000	11,127	33,380	22,253
Dry Bay	(262-752)	8,000	24,000	11,127	33,380	22,253
Jute	(262-801)	1,000	3,000	1,391	4,173	2,782
Kanatak	(262-802)	1,000	3,000	1,391	4,173	2,782
Big Creek	(262-851)	10,000	30,000	13,908	41,725	27,817
Kialagvik	(262-858)	8,000	24,000	11,127	33,380	22,253
Icy Peak	(262-859)	1,000	3,000	1,391	4,173	2,782
Subtotal		242,000	726,000	336,583	1,009,748	673,165
GRAND TOTAL		510,000	1,530,000	707,764	2,123,291	1,415,528
Estimated Total Kodiak Management Area Escapement[c]				784,440	2,353,321	1,568,881

[a] Source: Barrett et al. (1990) and Malloy et al. (1992)

[b] Systems where the escapement is counted through weirs.

[c] The 78 listed index streams supported 90.2% of the total KMA chum escapement in 1989. The estimated total KMA escapement goal minimum, desired, and mid point values were determined from this relationship.

Appendix B.4. Coho salmon escapement goals for fish weir systems in the Kodiak Management Area, 1994.

Weir Site	Interim Goals[a]	Interim Dates 8/15 Weir	8/15 (Bldup)	8/20 Weir	8/20 (Bldup)	8/25 Weir	8/25 (Bldup)	8/31 Weir	8/31 (Bldup)	9/5 Weir	9/5 (Bldup)	9/10 Weir	9/10 (Bldup)	9/15 Weir	9/15 (Bldup)	9/20 Weir	9/20 (Bldup)
Karluk (255-101)	Min.	-	-	50	-	100	(1,400)	300	(2,200)	1,500	(3,500)	3,000	(7,000)	8,000	(5,000)	10,000	(5,000)
	Des.	-	-	500	-	1,000	(2,000)	3,000	(4,000)	3,000	(6,000)	6,000	(9,000)	9,000	(8,000)	20,000	(5,000)
Ayakulik (256-201)	Min.	500	(1,000)	3,000	(2,000)	4,000	(3,500)	7,000	(5,000)	10,000	(7,000)	12,000	(6,000)	-	(6,000)	-	(2,000)
	Des.	2,000	(1,500)	6,000	(2,500)	7,000	(5,000)	13,000	(6,000)	15,000	(8,000)	18,000	(9,000)	-	(8,000)	-	(4,000)
Dog Salmon (257-403)	Min.	-	(100)	50	-	500	-	1,500	-	2,000	-	2,500	-	3,500	-	-	(1,000)
	Des.	-	(200)	200	-	1,500	-	3,000	-	4,500	-	4,500	-	5,500	-	-	(3,000)
Upper Station (257-304)	Min.	-	-	50	-	500	-	1,500	-	2,000	-	2,500	-	3,500	-	-	-
	Des.	-	-	200	-	1,500	-	3,500	-	4,000	-	4,500	-	5,500	-	-	-
Akalura (257-302)	Min.	-	-	-	-	50	-	250	-	500	-	1,000	-	1,500	-	-	-
	Des.	-	-	-	-	200	-	1,000	-	1,500	-	2,500	-	3,500	-	-	-
Horse Marine (257-402)	Min.	-	-	-	-	50	-	200	-	400	-	800	-	1,000	-	-	-
	Des.	-	-	-	-	100	-	400	-	800	-	1,600	-	2,500	-	-	-
Saltery (259-415)	Min.	-	-	-	(100)	50	(500)	300	(1,000)	1,000	(1,000)	2,000	(1,000)	2,500	(2,000)	3,000	(2,000)
	Des.	-	-	-	(500)	100	(1,000)	1,000	(2,000)	2,000	(2,000)	3,000	(2,000)	4,000	(3,000)	5,000	(5,000)
Buskin (259-211)	Min.	25	-	100	-	300	-	400	-	1,000	-	2,000	-	2,000	-	3,000	(3,000)[b]
	Des.	100	-	300	-	500	-	1,000	-	2,000	-	3,500	-	4,000	-	5,000	(4,000)
Litnik (252-342)	Min.	500	-	1,000	-	1,500	-	2,000	-	2,500	-	3,000	-	3,500	-	-	-
	Des.	2,000	-	3,000	-	4,000	-	5,000	-	6,000	-	7,000	-	8,000	-	-	-
Pauls (251-831)	Min.	500	-	1,500	-	3,000	-	3,500	-	4,500	-	5,500	-	6,500	-	-	-
	Des.	2,000	-	3,000	-	5,000	-	6,000	-	7,000	-	8,000	-	9,000	-	-	-
Perenosa (251-830)	Min.	50	-	500	-	1,000	-	1,300	-	1,500	-	1,700	-	2,000	-	-	-
	Des.	500	-	1,000	-	3,000	-	2,800	-	3,000	-	3,200	-	3,500	-	-	-
Big Bay (251-601)	Min.	20	-	100	-	150	-	200	-	250	-	300	-	400	(600)	600	(400)
	Des.	100	(200)	200	(300)	300	(300)	400	(400)	500	(600)	600	(1,000)	800	(1,200)	1,300	(700)
Bear Creek (251-706)	Min.	10	-	50	-	100	-	125	-	150	-	175	-	150	-	350	-
	Des.	50	(50)	150	(100)	200	(150)	250	(200)	300	(400)	350	(600)	500	(500)	700	(400)

[a] Source: Malloy et al. (1992)

[b] Includes 2,000 coho for sport fish harvest.

Appendix B.5. Peak indexed coho salmon escapement goals for Northeast District nonweired systems in the Kodiak Management Area, 1994.

Geographical Location	Stream Name	Stream Number	Escapement Goals[a,b] Minimum	Escapement Goals[a,b] Desired
Monashka/Mill Bay	Monashka	(259-101)	20	35
	Virginia	(259-105)	30	45
	Pillar	(259-102)	30	45
	Island Lake	(259-103)	40	60
Subtotal	4 Streams		120	180
Woman's Bay[c]	Buskin	(259-211)	2,000[d]	4,210[d]
	Sargent	(259-221)	65	100
	Russian	(259-222)	40	60
	Paramanof	(259-224)	20	30
	Salonie	(259-223)	350	500
	Cliff Point	(259-232)	10	20
Subtotal	6 Streams		2,485	4,210
Middle Bay	Short	(259-235)	10	20
	Salt	(259-233)	20	30
	American	(259-231)	300	400
	Slough	(259-234)	100	200
Subtotal	4 Streams		430	650
Kalsin Bay	Mayflower	(259-246)	30	45
	Sid Olds	(259-242)	450	675
	Kalsin	(259-243)	100	150
	Frank	(259-244)	10	20
	Myrtle	(259-245)	30	45
Subtotal	5 Streams		620	935
Outer Chiniak Bay	Rosalyn	(259-251)	600	1,200
	Twin	(259-252)	40	60
	Capelin	(259-253)	20	30
	Chiniak	(259-254)	100	150
	Chiniak Lagoon	(259-255)	10	20
Subtotal	5 Streams		770	1,460

-Continued-

Geographical Location	Stream Name	Stream Number	Escapement Goals[a,b] Minimum	Escapement Goals[a,b] Targeted
Coastal Chiniak	Sacramento	(259-401)	40	60
	Twin Peaks	(259-402)	10	20
	Valley	(259-403)	10	20
	Barry's	(259-405)	10	20
	Burton's	(259-404)	10	20
Subtotal	5 Streams		70	120
GRAND TOTAL	29 Streams		4,475	7,555

[a] Total indexed escapement as of October and November aerial and foot surveys.

[b] Source: Malloy et al. (1992). These escapement goals were developed by Kodiak Area fishery biologists, Frank VanHulle and Pete Murray with the Sport Fish Division, and Ken Manthey, Larry Malloy and Dave Prokopowich with the Commercial Fisheries Division. The basis for these goals is the annual escapement and subsequent return data derived from approximately 1970 through 1988.

[c] Includes the Buskin River actual total escapement obtained by fish weir count.

[d] Buskin River actual weir escapement as of 9/10, an important date for management of the freshwater sport fisheries in Buskin River.

Appendix B.6. Chinook salmon escapement goals, by week, for systems with fish weirs, Kodiak Management Area, 1994.

River	Interim Goals[a]	Interim Dates 5/30	6/06	6/13	6/20	6/27	7/04	7/11	7/18
Karluk	Minimum	100	500	1,500	2,500	3,000	3,500	4,000	4,500
(255-101)	Desired	300	800	2,800	4,500	6,000	7,000	7,500	8,000
Ayakulik	Minimum	500	1,000	3,500	4,500	5,000	5,500	6,000	6,500
(256-201)	Desired	1,500	3,000	5,000	6,000	7,000	8,000	9,000	10,000
Dog Salmon	Minimum	-	-	-	20	40	80	100	110
(257-403)	Desired	-	-	-	60	120	240	300	330

[a] Escapement goals shown in this table are based upon historical escapement database for 10 year period 1980-1989 and the subsequent return from those escapements. As additional research is conducted on the nature of these chinook salmon populations as well as the carrying capacity/production potential for chinook salmon in these systems, adjustments in these goals may be recommended.

KODIAK AREA

CHAPTER 18. - KODIAK AREA

ARTICLE 1. - DESCRIPTION OF AREA

5 AAC 18.001. APPLICATION OF THIS CHAPTER. Requirements set forth in this chapter apply to commercial fishing only, unless otherwise specified. Subsistence fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set forth in the subsistence fishing regulations in chs. 1 and 2 of this title.

5 AAC 18.100. DESCRIPTION OF AREA. The Kodiak Area includes all waters of Alaska south of a line extending east from Cape Douglas (58°52' N.lat.), west of 150° W.long., north of 55°30' N.lat.; and east of a line extending south from the southern entrance of Imuya Bay near Kilokak Rocks (156°20'13" W.long.).

ARTICLE 2. - FISHING DISTRICTS

5 AAC 18.200. DESCRIPTION OF DISTRICTS AND SECTIONS. (a) Afognak District: all waters of Afognak and Shuyak Islands bounded by a line from Occident Point (57°57'25" N. lat., 152°51'30" W. long.), to Last Timber Point (57°58'50" N. lat., 152°58'55" W. long.), by the latitude of Dolphin Point on Whale Island (57°59'10" N. lat.), by the latitude of Raspberry Cape (58°03'35" N. lat.), by mid-stream Shelikof Straits, and by the latitude of Cape Douglas (58°52' N. lat.);

(1) Raspberry Straits Section: all waters of Raspberry Straits bounded by the longitude of Dolphin Point on Afognak Island (153°09' W. long.) and by a line from Head Point to Dolphin Point on Whale Island and a line from Occident Point to Last Timber Point;

(2) Southwest Afognak Section: all waters west of Afognak Island bounded by the latitude of Raspberry Cape, the longitude of Dolphin Point on Afognak Island (153°09' W. long.) in Raspberry Straits, by the latitude of Cape Paramanof (58°18'20" N. lat.), and by mid-stream Shelikof Strait;

(3) Northwest Afognak Section: all waters northwest of Afognak Island bounded by the latitude of Cape Paramanof, by a line extending along mid-stream Shuyak Straits and perpendicular to mid-stream Shelikof Strait to Cape Current (58°27'40" N. lat., 159°29'10" W. long.), and by mid-stream Shelikof Strait;

(4) Shuyak Island Section: all waters in the vicinity of Shuyak Island bounded by a line extending along mid-stream Shuyak Straits and perpendicular to mid-stream Shelikof Straits to Cape Current, north of a line from Cape Current to Posliedni Point (58°26' N. lat., 152°19'30" W. long.), west of the longitude of Posliedni Point, south of the latitude of Cape Douglas, and by mid-stream Shelikof Strait;

(5) Perenosa Bay Section: all waters of Perenosa Bay south of a line extending from Cape Current to Posliedni Point;

(6) Northeast Afognak Section: all waters northeast of Afognak Island bounded by the longitude of Posliedni Point and by the latitude of Pillar Cape (58°09' N. lat.);

(7) Izhut Bay Section: all waters of Izhut Bay, excluding the Kitoi Bay Section, bounded by a line from Pillar Cape to Peril Cape (58°07'30" N. lat., 152°16'20" W. long.);

(8) Kitoi Bay Section: all waters of Kitoi Bay bounded by a line from 58°10'39" N. lat., 152°17'13" W. long. to 58°09'32" N. lat., 152°18'36" W. long.;

(9) Duck Bay Section: all waters of Duck Bay bounded by the latitude of Pillar Cape, by a line from Pillar Cape to Peril Cape, and by the latitude of Cape Kostromitinof (58°05'05" N. lat.).

(10) Southeast Afognak Section: all waters of Kazakof Bay (Danger Bay) and Afognak Bay bounded by the latitude of Cape Kostromitinof, a line from Head Point on Afognak Island to Dolphin Point on Whale Island, and the latitude of Dolphin Point.

(b) Northwest Kodiak District: all waters of north and west Kodiak Island bounded by the latitude of Termination Point (57°51'15" N. lat.), by the latitude of Dolphin Point on Whale Island (57°59'10" N. lat.), by a line from Occident Point (57°57'25" N. lat., 152°51'30" W. long.) to Last Timber Point (57°58'50" N. lat., 152°58'55" W. long.), by the latitude of Raspberry Cape (58°03'35" N. lat.), by the latitude of Rocky Point (57°39'45" N. lat.), and by mid-stream Shelikof Strait;

(1) Anton Larsen Bay Section: all waters of Anton Larsen Bay south of 57°52'18" N. lat.;

(2) Sheratin Bay Section: all waters of Sheratin Bay south of 57°51'09" N. lat.;

(3) Kizhuyak Bay Section: all waters of Kizhuyak Bay south of 57°50' N. lat.;

(4) Terror Bay Section: all waters of Terror Bay and Uganik Bay passages south of 57°50' N. lat., and east of 153°12'36" W. long.;

(5) Inner Uganik Bay Section: all waters of the South and East Arms of Uganik Bay south of the latitude of Rock Point at 57°46'30" N. lat., 153°29'12" W. long., to 57°46'20" N. lat., 153°33'48" W. long.;

(6) Spiridon Bay Section: all waters of Spiridon Bay east of 153°46'20" W. long.;

(7) Zachar Bay Section: all waters of Zachar Bay east of a line from Carlsen Point at 57°34'48" N. lat., 153°50' W. long., to a point on the opposite shore at 57°35'42" N. lat., 153°49'12" W. long.;

(8) Uyak Bay Section: all waters of Inner Uyak Bay south of the latitude of the southernmost tip of Amook Island (57°25'45" N. lat., 153°49'51" W. long.) to the west shore, and south of the latitude of the northernmost tip of Amook Island (56°59'44" N. lat., 154°01'42" W. long.) to the east shore;

(9) Central Section: all waters of the Northwest Kodiak District bounded by a line from Termination Point (57°51'15" N. lat., 152°24' W. long.), to South Point (57°53'10" N. lat., 152°22' W. long), to Ouzinkie Point (57°54'50" N. lat., 152°31'09" W. long.), to Shakmanof Point (57°55'30" N. lat., 152°35'15" W. long.), to a point at 57°54'12" N. lat. on the east shore of Kizhuyak Bay; north of 57°52'18" N. lat. in Anton Larsen Bay; north of 57°51'09" N. lat. in Sheratin Bay; north of 57°50' N. lat., and south of the latitude of Inner Point (57°54'06" N. lat.) in Kizhuyak Bay; west of a line from Inner Point (57°54'06" N. lat., 152°47'40" W. long.) to Bird Point (57°55'20" N. lat., 152°47'25" W. long.); south of a line from Occident Point (57°57'25" N. lat., 152°51'30" W. long.) to Last Timber Point (57°58'50" N. lat., 152°58'58" W. long.); south of the latitude of Raspberry Cape (58°03'35" N. lat.); north of 57°50' N. lat., and west of 153°12'36" W. long. in Terror Bay and Uganik Bay passages; north of a line from Rock Point (57°46'30" N. lat., 153°29'12" W. long., to 57°46'20" N. lat., 153°33'48" W. long.) in the South and East Arms of Uganik Bay; west of the longitude of Hook Point (153°46'20" W. long.) in Spiridon Bay; west of a line from Carlsen Point (57°34'48" N. lat., 153°50' W. long.) to 57°35'42" N. lat., 153°49'12" W. long. in Zachar Bay; all waters of Inner Uyak Bay north of the latitude of the southernmost tip of Amook Island to the west shore, and north of the latitude of the northernmost tip of Amook Island to the east shore; north of the latitude of Rocky Point (57°39'45" N. lat.); and by mid-stream Shelikof Strait;

(10) North Cape Section: all other waters of the Northwest Kodiak District.

(c) Southwest Kodiak District: all waters southwest of Kodiak Island bounded by the latitudes of Rocky Point (57°39'45" N. lat.) and Low Cape (56°59'35" N. lat.), and by mid-stream Shelikof Strait;

(1) Outer Karluk Section: all waters west of Kodiak Island bounded by the latitude of Rocky Point, the latitude of Pafco Point (56°36'52" N. lat.), and by mid-stream Shelikof Strait;

(2) Inner Karluk Section: all waters west of Kodiak Island bounded by the latitude of Pafco Point, the latitude of Cape Karluk (57°34'42" N. lat., 154°30'54" W. long.), and by mid-stream Shelikof Strait;

(3) Sturgeon Section: all waters southwest of Kodiak Island bounded by the latitude of Cape Karluk, the latitude of Sturgeon Head (57°30'40" N. lat., 154°37'20" W. long.), and by mid stream Shelikof Strait;

Appendix C.1. Commercial salmon fishing regulations for the Kodiak Management Area, 1994.

(4) Halibut Bay Section: all waters southwest of Kodiak Island bounded by the latitude of Sturgeon Head, the latitude of Cape Ikolik (57°17'26" N. lat., 154°47'20" W. long.) and by mid-stream Shelikof Strait;

(5) Outer Ayakulik Section: all waters southwest of Kodiak Island bounded by the latitude of Cape Ikolik, the longitude of Old Red River (stream No. 256-202) (154°37'12" W. long.), and by mid-stream Shelikof Strait;

(6) Inner Ayakulik Section: all waters southwest of Kodiak Island bounded by the longitude of Old Red River (stream No. 256-202) (154°37'12" W. long.) and the latitude of Low Cape (56°59'35" N. lat.).

(d) Alitak Bay District: all waters south of Kodiak Island bounded by the latitude of Low Cape, the latitude of Cape Trinity (56°44'50" N. lat.), and by mid-stream Shelikof Strait;

(1) Cape Alitak Section: all waters bounded by the latitude of Low Cape, the latitude of Cape Trinity, by mid-stream Shelikof Strait, by a line from Cape Trinity (56°44'50" N. lat., 154°08'45" W. long.) to Middle Reef (56°54' N. lat., 154°03' W. long.), and by a line from Middle Reef to Tanner Head at 56°53'14" N. lat., 154°13'38" W. long.;

(2) Humpy-Deadman Section: all waters of Alitak Bay east of a line from Cape Trinity, to Middle Reef, to the southernmost tip of Fox Island (56°59'09" N. lat., 154°01'58" W. long.), and from the northernmost tip of Fox Island (56°59'44" N. lat., 154°01'42" W. long.), to 57°01'09" N. lat., 154°00'51" W. long., to the Moser Peninsula at 57°01'10" N. lat., 154°01' W. long.;

(3) Moser-Olga Bay Section: all waters of Moser and Olga Bays bounded by a line from Tanner Head (56°53'14" N. lat., 154°13'38" W. long.), to Middle Reef (56°54' N. lat., 154°03' W. long.), to the southernmost tip of Fox Island (56°59'09" N. lat., 154°01'58" W. long.), and from the northernmost tip of Fox Island (56°59'44" N. lat., 154°01'42" W. long.), to 57°01'09" N. lat., 154°00'51" W. long., to the Moser Peninsula at 57°01'10" N. lat., 154°01' W. long., and by a line from Stockholm Point (57°07'40" N. lat., 154°06'36" W. long.) to the opposite shore at 57°07'40" N. lat., 154°04'50" W. long., excluding the Dog Salmon Flats Section;

(4) Dog Salmon Flats Section: all waters of Lower Olga Bay northeast of a line from 57°06'27" N. lat., 154° W. long. to the opposite shore at 57°07'33" N. lat., 154°03' W. long.;

(5) Outer Upper Station Section: all waters of Upper Olga Bay south of a line from 57°07'40" N. lat., 154°23'06" W. long., to 57°07'49" N. lat., 154°06'36" W. long., to Stockholm Point, excluding the Inner Upper Station Section;

(6) Inner Upper Station Section: all waters of Upper Olga Bay south of a line from 57°03'27" N. lat., 154°23'27" W. long. to 57°04'12" N. lat., 154°20'33" W. long.;

(7) Outer Akalura Section: all waters of Upper Olga Bay north of a line from 57°07'40" N. lat., 154°23'06" W. long., to 57°07'49" N. lat., 154°06'36" W. long., to Stockholm Point, excluding the Inner Akalura Section.

(8) Inner Akalura Section: all waters of Upper Olga Bay north of a line from 57°08'40" N. lat., 154°15'18" W. long. to 57°18'45" N. lat., 154°10'54" W. long.

(e) Eastside Kodiak District: all waters south and east of Kodiak Island bounded by the latitude of Cape Trinity (56°44'50" N. lat.), by the latitude of Cape Chiniak (57°37' N. lat.), and by mid-stream Shelikof Strait;

(1) Seven Rivers Section: all waters east of Kodiak Island bounded by the latitude of Cape Trinity, by the latitude of Boot Point (56°50' N. lat.) and a line extending seaward 144° from Cape Kasiak (57°04' N. lat., 153°29'38" W. long.), and by mid-stream Shelikof Strait;

(2) Two-Headed Section: all waters east of Kodiak Island bounded by the latitude of Boot Point and by a line extending seaward 144° from Cape Kasiak;

(3) Sitkalidak Section: all waters east of Kodiak Island bounded by a line extending seaward 144° from Cape Kasiak and by the latitude of Dangerous Cape (57°16'36" N. lat.);

(4) Inner Ugak Bay Section: all waters of Ugak Bay west of the longitude of Gull Point (152°06'W. long.);

(5) Outer Ugak Bay Section: all waters of Kodiak Island bound by the longitude of Gull Point, the latitude of Dangerous Cape, and the latitude of Cape Chiniak (57°37' N. lat.).

(f) Northeast Kodiak District: all waters northeast of Kodiak Island bounded by the latitude of Cape Chiniak (57°37' N. lat.), and the latitude of Termination Point (57°51'15" N. lat.);

(1) Outer Chiniak Bay Section: all waters north of Kodiak Island bounded by the latitude of Cape Chiniak and the longitude of Isthmus Point (152°19'30" W. long.);

(2) Inner Chiniak Bay Section: all waters of Chiniak Bay bounded by the longitude of Isthmus Point and the latitude of Spruce Cape (57°49'36" N. lat.), excluding the Buskin River Section;

(3) Buskin River Section: all waters of Chiniak Bay west of a line from Cliff Point (57°43'30" N. lat., 152°26'45" W. long.) to Spruce Cape (57°49'36" N. lat., 152°19'24" W. long.);

(4) Monashka/Mill Bay Section: all waters north of Kodiak bounded by the latitude of Spruce Cape and the latitude of Termination Point.

(g) Mainland District: all waters along the southside of the Alaska Peninsula bounded by the latitude of Cape Douglas (58°52' N. lat.), mid-stream Shelikof Strait, and west of the longitude of the southern entrance of Imuya Bay near Kilokak Rocks (57°11'22" N. lat., 156°20'13" W. long.);

(1) Big River Section: all waters bounded by the latitude of Cape Douglas, the latitude Cape Chiniak on the mainland (58°31' N. lat.), and by mid-stream Shelikof Strait;

(2) Hallo Bay Section: all waters of Hallo Bay bounded by the latitude of Cape Chiniak on the mainland, the latitude of Cape Nukshak (58°23'30" N. lat.), and by mid-stream Shelikof Strait;

(3) Outer Kukak Bay Section: all waters bounded by the latitude of Cape Nukshak and the latitude of Cape Gull (58°13' N. lat.), excluding the Inner Kukak Section;

(4) Inner Kukak Bay Section: all waters of Kukak Bay west of 154°11' W. long.;

(5) Dakavak Bay Section: all waters bounded by the latitude of Cape Gull, the latitude of the southern entrance of Dakavak Bay (58°01' N. lat.), and by mid-stream Shelikof Strait;

(6) Katmai Section: all waters bounded by the latitude of the southern entrance of Dakavak Bay, the latitude of Cape Kubugakli (57°53'30" N. lat.), and by mid-stream Shelikof Strait;

(7) Alinchak Section: all waters bounded by the latitude of Cape Kubugakli, the latitude of Cape Aklek (57°41'24" N. lat.), and by mid-stream Shelikof Strait;

(8) Cape Igvak Section: all waters bounded by the latitude of Cape Aklek (57°41'24" N. lat.), the longitude of the southern entrance of Imuya Bay near Kilokak Rocks (156°20'13" W. long.), and by mid-stream Shelikof Strait, excluding the Wide Bay Section;

(9) Wide Bay Section: all waters of Wide Bay enclosed by a line from Cape Kayakliut (57°17'35" N. lat., 156°19' W. long.) to the easternmost tip of Terrace Island at 156°15' N. lat., to Cape Igvak (57°26' N. lat., 156°01' W. long.).

5 AAC 18.201. SEAWARD BOUNDARY OF DISTRICTS IN KODIAK AREA. In the Kodiak Area, salmon fishing is prohibited outside the territorial sea of Alaska. The territorial sea boundary for the Kodiak Area is shown on National Oceanic and Atmospheric Administration nautical chart number 16580 (8th Ed., October 31, 1981).

ARTICLE 3. - SALMON FISHERY

5 AAC 18.310. FISHING SEASONS.(a) Salmon may be taken only from June 5 through October 31.

5 AAC 18.320. FISHING PERIODS. (a) Salmon may be taken only during periods established by emergency order.

(d) In the Spiridon Bay Special Harvest Area, salmon may be taken only during periods established by emergency order. Fishing periods will not exceed six hours per day and will occur only during daylight hours.

5 AAC 18.330. GEAR. (a) In the Afognak District salmon may be taken only by purse seines and beach seines.

(b) In the Northwest Kodiak District salmon may be taken only by purse seines and beach seines, except that in the Central Section, salmon may also be taken by set gillnets.

(c) In the Southwest Kodiak District salmon may be taken only by purse seines and beach seines.

(d) In the Alitak District salmon may be taken only by purse seines and beach seines, except that

(1) in the Moser-Olga Bay Section salmon may be taken only by set gillnets;

(2) in the Dog Salmon Flats Section salmon may be taken only by set gillnets;

(3) in the Outer Upper Station Section salmon may be taken only by set gillnets;

(4) in the Inner Upper Station Section salmon may be taken only by set gillnets;

(5) in the Outer Akalura Section salmon may be taken only by set gillnets;

(6) in the Inner Akalura Section salmon may be taken only by set gillnets;

(7) after September 4, salmon may be taken by purse seines and beach seines in the entire Alitak District.

(e) In the East Kodiak District salmon may be taken only by purse seines and beach seines.

(f) In the Northeast Kodiak District salmon may be taken only by purse seines and beach seines.

(g) In the Mainland District salmon may be taken only by purse seines and beach seines.

5 AAC 18.331. GILLNET SPECIFICATIONS AND OPERATIONS.(a) Except as provided for in (e) of this section. A CFEC permit holder may operate no more than 150 fathoms of set gillnet in the aggregate, nor more than two set gillnets.

(b) Seine webbing may be used on the shoreward end of a set gillnet and the length of the seine webbing used may extend no more than 50 fathoms seaward of the beach at the lowest tide of the current day, except that

(1) in the Moser-Olga Bay, Inner Dog Salmon, Inner Akalura, Outer Akalura, Outer Upper Station, and Inner Upper Station sections of the Alitak District, seine webbing may be used only from the high tide mark seaward, and no portion of the seine web may be in water deeper than five feet at the lowest tide of the current day;

(2) in that portion of the Moser-Olga Bay Section of the Alitak District south of a line from Bun Point to the opposite shore at 56°57'59" N. lat., 154°07'35" W. long., seine webbing may be used only from the high tide mark seaward, and must meet one of the following requirements:

(A) no portion of the seine web may be in the water deeper than five feet at the lowest tide of the current day; or

(B) the length of seine webbing used may be no more than 20 fathoms per set.

(c) Set gillnets must be operated in substantially a straight line, except that no more than 25 fathoms of a set gillnet may be used as a hook. A hook may be used in any configuration.

(d) The shoreward end of a set gillnet must be attached to a point of land which is exposed at the lowest tide of the day or to a rock that is within 5 feet of the surface at the lowest tide of the day. A rock is any naturally located or created geological formation that shows no evidence of having been located or created through man-made means. A set gillnet may not be attached to the beach inside of closed waters.

(e) Two salmon set gillnet CFEC permit holders may form a joint venture and combine their gear under the following conditions:

(1) a permit must be obtained from a local representative of the department before a joint venture may start operations;

(2) only one permit per year will be issued for each joint venture;

(3) the permit must be signed by both CFEC permit holders and each must have a copy of the permit readily available for inspection;

(4) the permit may be canceled by the department upon the request of one of the joint venture operators;

(5) the gear and site markers required by 5 AAC 39.280 must bear the five-digit CFEC permit serial number of both permit holders;

(6) no single set gillnet may be more than 150 fathoms in length;

(7) no joint venture may operate more than three set gillnets; and

(8) both parties of the joint venture are legally responsible for the operation of all gear of the joint venture.

(f) No set gillnet gear, including running lines, shore leads, anchors, and buoys, may be placed in the water, nor may signs required by 5 AAC 18 or 5 AAC 39 be placed on the beach before emergency order openings of the closed waters areas of Upper Olga Bay described in 5 AAC 18.350(a)(1)(B)(i).

(g) No gillnet may be more than 125 meshes in depth.

(h) In the Alitak Bay District, the shoreward end of a set gillnet must not begin further seaward, or in water deeper than the limit specified for seine webbing in (b) of this section.

5 AAC 18.332. SEINE SPECIFICATIONS AND OPERATION. (a) No purse seine and hand purse seine may be less that 100 fathoms or more than 200 fathoms in length. No seine may be less than 100 meshes in depth. At least 50 fathoms of a seine must be 150 meshes in depth.

(b) One lead no more than 100 fathoms in length may be used with each purse seine or hand purse seine. The aggregate length of a seine and lead may not exceed 250 fathoms. Leads must be removed from the water within two hours after a season or fishing period closure. Each lead must have at each end a buoy, cork, or float plainly and legibly marked with the operator's five-digit CFEC permit serial number.

(c) Beach seines no less than 100 fathoms nor more than 225 fathoms in length may be used.

(d) Beach seines may not be less than 100 meshes in depth.

(e) When an anchor is used during the operation of a purse seine, hand purse seine, or beach seine, only the shoreward end of the seine or lead may be anchored; the seine shall be attached to the licensed vessel, and the vessel may not be anchored, except that, in the operation of a beach seine, an additional anchor, used to anchor the vessel to the beach, may be used only while retrieving the beach seine.

(f) In the Mainland District, it is unlawful to take salmon with the assistance of an aircraft directing the operation of the seine gear.

(g) Seine mesh size may not be more than seven inches.

(h) A ring, strap, purse, or tow line may be attached only to the cork line of a beach seine. Hydraulic power may be used to set or retrieve a beach seine. A beach seine must be set from, and hauled to, a beach, or to a vessel anchored to a beach. One end of a beach seine must remain on a beach above the water surface at all times during the set.

(i) A beach seine has ceased fishing when all of the leadline is out of the water.

(j) Overlapping panels of net web may not be used in seine leads.

5 AAC 18.335. MINIMUM DISTANCE BETWEEN UNITS OF GEAR. No part of a set gillnet may be set or operated within 900 feet of any part of another set gillnet, or be attached to the beach within 900 feet of another net, except that in the Dog Salmon Flats, Outer Upper Station, Inner Upper Station, Outer Akalura, and Inner Akalura sections there is not minimum distance between units of set gillnet gear.

5 AAC 18.337. PURSE SEINE PRACTICE SETS. (a) From June 1 through June 7, purse seine vessels may make practice purse seine sets. The sets may be made only during daylight hours. All fish caught shall be returned to the water without further harm.

(b) Purse seine practice sets may be made only in the following locations:

(1) inside Lazy Bay west of 154° 13' 30" W. long.;

(2) inside Larson Bay west of 153° 59' W. long.;

(3) Kodiak within one-half mile of the Sealand dock; and

(4) Old Harbor within one-half mile of the entrance to the boat harbor.

5 AAC 18.350. CLOSED WATERS. (a) Salmon may not be taken in the following waters:

(1) Alitak District.

(A) Humpy Cove: all waters east of a line from the northern entrance of Seaborg Cove at 56°53'45" N.lat., 153°58'48" W.long., to a point approximately two and three-quarters miles northeast of Hawk Point at 56°51' N.lat., 154°03'39" W.long.;

(B) Olga Bay.

(i) Upper Olga Bay: north and west of a line from Stockholm Point at 57°07'40" N.lat., 154°06'36" W.long., to the opposite shore at 57°07'40" N.lat., 154°04'50" W.long.;

(ii) Horse Marine: northeast of a line from 57°06'27" N.lat., 154° W.long.; to 57°07'33" N.lat., 154°03' W.long.;

(iii) Olga Narrows: south of 57°04'23" N.lat., and north of a line from 57°01'27" N.lat., 154°08'32" W.long. running east to a point 75 fathoms from the mean low tide mark to 57°11" N.lat., 154°07'58" W.long.;

(C) Portage Bay

(i) Southeast Arm: east of the longitude of Bert Point;

(ii) Sulua Bay: north of 56°58'36" N.lat.;

(D) Deadman Bay: north of a line from 57°05'30" N.lat., 153°50'54" W.long., to 57°07'05" N.lat., 153°51'44" W.long.;

(E) Sukhoi Lagoon: in the bay and the lagoon;

(2) Southwest Kodiak District

(A) all waters east of the terminus of the Ayakulik River (Red River);

(B) all waters east of the terminus of the unnamed stream at 57°16'21" N.lat., 154°37'10" W.long.;

(C) all waters east of a line from 57°33'48" N.lat., 154°30'54" W.long., to 57°31'26" N.lat., 154°34'36" W.long., including Sturgeon Lagoon;

(D) all waters of Grant's Lagoon and Halibut Bay Lagoon;

(E) that portion of the Southwest Kodiak District enclosed by a line from Cape Karluk (57°34'42" N. lat., 154°30'54" W. long.), to 57°34'42" N. lat., 154°26'36" W. long., to Karluk Spit at 57°34'37" N. lat., 154°26'30" W. long.;

(5) Northwest Kodiak District

(A) Uyak Bay: south of 57°23'06" N.lat.;

(B) Zachar Bay: within a line from 57°33'36" N.lat., 153°47'42" W.long. Northerly to a point at 57°34'36" N.lat., 153°47'30" W.long.;

(C) Spiridon Bay: east of 153°42'24" W.long.;

(D) Little River: within 500 yards of the terminus;

(E) Cannon's Lagoon (Campbell's): in the lagoon and 500 yards from its mouth;

(F) Uganik Bay

(i) South Arm: south of 57°39'44" N.lat.;

(ii) East Arm (Mush Bay): within a line from Packers Spit at 57°44'30" N.lat., 153°29'54" W.long., the opposite shore at 57°42'30" N.lat., 153°28'36" W.long., and including the lagoon behind Packers Spit;

(G) North Uganik Passage: south of 57°49'30" N.lat., to 57°48'30" N.lat.;

(H) Terror Bay: all waters of the bay south of 57°46'30" N.lat.;

(I) Kizhuyak Bay

(i) Barabara Cove: within one-half statute mile of the stream terminus;

(ii) all waters south of a line extending from Pestchani Point to a point on the opposite shore at 57°47' N.lat., 152°54' W.long.;

(J) Sharatin Bay: south of 57°50'41" N.lat.;

(K) Soldier's Bay: within a line from Otmeloi Point to Entrance Point to the southern tip of Low Island to Seredni Point;

(L) Anton Larsen Bay: south of 57°51'54" N.lat.;

(M) Ouzinkie Harbor: all waters of Ouzinkie Harbor north of a line from 57°55'10" N. lat., 152°36' W. long. to 57°55'03' N. lat., 152°29'20" W. long.;

(N) Monks Lagoon: all waters of the lagoon northwest of a line between ADF&G regulatory markers located on both sides of the entrance to the lagoon;

(6) Northeast Kodiak District

(A) Mill Bay and all those waters bounded by a line from Spruce Cape to the northernmost point of Woody Island, to the northernmost point of Holiday Island, to the northernmost point of Near Island, to the opposite shore on Kodiak Island at 57°47'25" N.lat., 152°23'23" W.long.;

(B) Women's Bay: all waters inside a line from the tip of Nyman Peninsula (57°43'18" N. lat., 152°31'25" W. long.), to the northeastern tip of Mary's Island (57°42'27" N. lat., 152°31'52" W. long.) to the southeastern shore of Women's Bay at 57°42' N. lat., 152°31'23" W. long.;

(C) Middle Bay: all waters south of a line from 57°39'58" N.lat., 152°29'15" W.long., to the opposite shore at 57°39'30" N.lat., 152°28' W.long.;

(D) Kalsin Bay: all waters south of a line from a bluff on the east shore at 57°36'30" N.lat., 152°24'30" W.long., to the opposite shore at the southwest corner of the bay at 57°36'30" N.lat., 152°28'06" W.long.;

(7) Eastside Kodiak District

(I) Ugak Bay

(i) west of 152°52'30" W.long.;

(ii) Eagle Harbor: within one-half statute mile of the terminus of Eagle River;

(iii) Gull Cape Lagoon: in the lagoon;

(iv) Saltery Cove: all waters north of a line from a point at 57°29' N.lat., 152°43'06" W.long., to a point on the opposite shore at 57°29'48" N.lat., 152°47'42" W.long.;

(v) Pasagshak River (No. 259-411): within 1000 yards from the terminus;

(J) Kiliuda Bay

(i) west of 153°03'36" W.long.;

(ii) Dog Bay: north of a line from Coxcomb Point to Shearwater Point;

(K) Shearwater Bay: north of a line from 57°20'23" N.lat., 152°52'47" W.long., to 57°20'45" N.lat., 152°53'30" W.long.;

(L) Sitkalidak Strait: north of a line at the latitude of Old Harbor Village (57°12'06" N. lat.) and west of 153°12'48" W.long.;

(M) Barling Bay: inside a line from 57°10'45" N.lat., 153°21'47" W.long., to 57°11'27" N.lat., 153°20'24" W.long.;

(N) Kaiugnak Bay: west of 153°39'32" W.long.;

(O) Kiavak Bay: in the lagoon and 500 yards from its mouth;

(P) Kaguyak Bay: west of 153°45'07" W.long.;

(Q) Seven Rivers Cove (includes stream no. 258-701): west of a line from 56°47'30" N.lat., 153°52'36" W.long. to 56°46'54" N.lat., 153°54' W.long.;

(R) Natalia Bay Lagoon: in the lagoon inside of 153°19'06" W.long.;

(8) Afognak District

(A) Kazakof Bay (Danger Bay): north of 58°10'54" N.lat.;

(B) Kitoi Bay: west of a line from 58°10'39" N.lat., 152°17'13" W.long., to 58°09'32" N.lat., 152°18'36" W.long.;

(C) Ruth Bay (Izhut): west of 152°18'33" W.long.;

(D) Seal Bay: south of 58°21'38" N.lat., in the inner West Bay;

(E) Pauls Bay (Perenosa): within one-half statute mile of the terminus of Pauls Creek;

(F) Discoverer Bay: south of 58°19'06" N.lat.;

(G) Paramanof Bay

(i) East Arm: east of 152°45' W.long.;

(ii) South Arm: south of 58°15'57" N. lat.;

(iii) Thorsheim Bay (includes stream no. 251-302): south of a line from 58°17'12" N.lat., 152°50'24" W.long. to 58°17'08" N.lat., 152°50'42" W.long.

(iv) Long Lagoon Bay (includes stream no. 251-301): south of a line from 58°16'28" N.lat., 152°53'21" W.long. to 58°16'24" N.lat., 152°53'11" W.long.

(H) Malina Bay: east of 152°55' W.long.;

(I) Afognak Bay: north of a line from Otrubistoi Point to Settlement Point;

(9) Mainland District

(A) Swikshak Lagoon: all waters of the lagoon;

(B) Kukak Bay: all waters west of a line from a point at 58°18'52" N.lat., 154°16'32" W.long., then to a point at 58°18'45" N.lat., 154°16'05" W.long., then to a point at 58°17'18" N.lat., 154°17'23" W.long., then to a point at 58°15'56" N.lat., 154°16'29" W.long.

(C) Kaflia Bay: within one statute mile outside the entrance of the outer lagoon;

(D) Wide Bay: west of a line from 156°28'42" W.long., 57°17'55" N.lat., to 156°31'59" W.long., 57°19'48" N.lat.;

(E) Chiniak Lagoon Creek (stream no. 262-154): all waters enclosed by a line from Cape Chiniak (58°31' N.lat., 153°54'30" W.long.) to a point on Village Beach approximately 500 yards from the entrance to Chiniak Lagoon;

(F) all waters of Big River (stream no. 262-152) flats west of 153°52'20" W.long.

(G) Hallo Bay

(i) Ninagiak River: inside of a line running in a southeasterly direction from a point approximately 500 yards north of the stream terminus and a line running in an easterly direction from a point approximately 500 yards south of the stream terminus:

(ii) unnamed stream (ADF&G stream no. 262-203): inside of a line running in an easterly direction from a point approximately 500 yards north of the stream terminus and a line running in a northeasterly direction from a point approximately 500 yards south of the stream terminus;

(H) Village Creek (stream no. 262-153): between two parallel lines that start at points located at higher high water beginning at approximately 500 yards north and 500 yards south of the stream terminus and extend east to mid-stream of Shelikof Strait;

(I) Kinak Bay (Kinak Creek, no. 262-451): in the lagoon and 500 yards from its mouth;

(J) Dry Bay: all waters of Dry Bay (ADF&G stream number 262-752) west of 155° 44' W. long.

(10) within the designated freshwater salmon streams and rivers of the Kodiak Area, and all salt water within 500 yards of all points of a straight line extending between the seaward extremities of the exposed tideland banks, or as marked by ADF&G regulatory markers. The provisions of 5 AAC 39.290 do not apply to the Kodiak Area. Freshwater salmon streams and rivers are those identified annually on a Kodiak Area Salmon Stream Chart available from the department.

(b) Where regulatory markers have been deployed by the department to aid fishermen in determining closed waters locations listed in this section, the markers will be placed either as close as possible to the described locations or in a location deemed necessary by the department. If the location of a regulatory marker is in conflict with the closed waters listed in this section, it is illegal to fish on the streamward side of the marker.

5 AAC 18.355.REPORTING REQUIREMENTS.(a) The operator of a floating salmon processing vessel or tender, or a shorebased processing operation, and a company employing aircraft used *for transporting salmon, shall report in person, or by radio or telephone, to a local representative* of the department located in the management area of intended operation before the start of processing or buying operations. The report must include the location and the date of intended operation, and identify and describe each vessel or other method of transport employed in hauling or processing salmon.

(b) A commercial fisherman shall report, on an ADF&G fish ticket at the time of landing, the number of salmon taken but not sold.

5 AAC 18.360. CAPE IGVAK SALMON MANAGEMENT PLAN.(a) In years when a harvestable surplus is beyond escapement goals, for the first (Black Lake) and second (Chignik Lake) runs of Chignik River system sockeye salmon is expected to be less than 600,000, there will be no commercial salmon fishery allowed in the Cape Igvak Section, as described in 5 AAC 18.200(g)(8) until a harvest *of 300,000 sockeye salmon in the Chignik Area, as described in 5 AAC 15.100, is* achieved. After July 8, and after at least 300,000 sockeye salmon have been harvested in the Chignik Area, and if escapement goals are being met, the department shall manage the fishery so that the number of sockeye salmon harvested in the Chignik Area will be at least 600,000 and the harvest in the Cape Igvak Section will approach as near as possible 15 percent of the total Chignik sockeye salmon catch.

(b) In years when a harvestable surplus beyond escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000, but the first run fails to develop as predicted and it is determined that a total sockeye salmon harvest in the Chignik Area of 600,000 or more may not be achieved, the Cape Igvak Section commercial salmon fishery will be curtailed in order to allow at least a minimum harvest in the Chignik Area of 300,000 sockeye salmon by July 9 if that number of fish is determined to be surplus to the escapement goals of the Chignik River system. After July 8, after at least *300,000* sockeye salmon have been harvested in the Chignik Area and its escapement goals are being met, the department shall manage the fishery so that the number of sockeye salmon harvested in the Chignik Area will be at least 600,000 and the harvest in the Cape Igvak Section will approach as near as possible 15 percent of the total Chignik sockeye salmon catch.

(c) On years when a harvestable surplus beyond the escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000, and the department determines the runs are as strong as expected, the department will manage the fishery in such a manner whereby the number of sockeye salmon taken in the Cape Igvak Section will approach as near as possible 15 percent of the total Chignik sockeye salmon catch.

(d) The total Chignik sockeye salmon catch constitutes those sockeye salmon caught within the Chignik Area plus 80 percent of the sockeye salmon caught in the East Stepovak, Southwest Stepovak, Stepovak Flats, Balboa Bay, and Beaver Bay sections, as described in 5 AAC 09.200(f), plus 80 percent of the sockeye salmon caught in the Cape Igvak Section. The harvest in the Cape Igvak Section at any time before July 25 may be permitted to fluctuate above or below 15 percent of the cumulative Chignik sockeye salmon catch.

(e) This allocation method will be in effect through July 25. The first fishing period of the commercial salmon fishing season in the Cape Igvak Section will not occur before the first fishing period of the commercial salmon fishing season in the Chignik Area. After July 25, commercial salmon fishing season in the Cape Igvak Section may be allowed on the local Kodiak Area stocks or specifically for Chignik River system sockeye salmon if the second run escapement has reached 200,000.

(f) During the period from approximately June 26 to July 9, the strength of the second run of Chignik River system sockeye salmon cannot be evaluated. In order to prevent overharvest of the second run, commercial salmon fishing in the Cape Igvak Section will, in the department's discretion, be disallowed or severely restricted during this period.

(g) The department shall announce commercial salmon fishing periods by emergency order. The department shall give at least one day notice prior to the opening of a commercial salmon fishing period unless it is an extension of a fishing period in progress.

5 AAC 18.361. ALITAK BAY DISTRICT SALMON MANAGEMENT PLAN.(a) The department shall manage the commercial salmon fishery in the Alitak Bay District in accordance with the guidelines set out in the Alitak Bay District Salmon Management Plan. The goal of this plan is to achieve escapement and harvest objectives of sockeye, pink, and coho salmon stocks returning to the Deadman-Portage Bay Section systems and the Horse Marine, Frazer, Akalura, and Upper Station systems. It is the intent of the board that salmon bound to these systems be harvested to the extent possible by the traditional fisheries located in the Cape Alitak, Deadman-Portage Bay, and Moser-Olga Bay sections.

(b) The Cape Alitak Section must be managed during the period June 9 through July 15 based on the sockeye salmon return to the Frazer system. During the period July 16 through August 9, in odd numbered years this section must be managed based on the pink salmon return to the Frazer system and, in even numbered years this section must be managed based on the sockeye salmon return to Upper Station. During the period August 10 through August 25, this section must be managed based on the sockeye salmon return to Upper Station but, on even numbered years this section must be managed based on the pink salmon return to the Frazer system. During the period August 26 through season's end, the Cape Alitak section must be managed based upon the coho and sockeye salmon returns to the entire Alitak District.

(c) The Moser-Olga Bay Section must be managed, during the period June 9 through July 15, based upon the sockeye salmon return to the Frazer system. During the period July 16 through August 9, in odd-numbered years this section must be managed based on the pink salmon return to the Frazer system and, in even-numbered years this section must be managed based on the sockeye salmon return to Upper Station. During the period August 10 through August 25, in odd-numbered years this section must be managed based on the sockeye salmon return to Upper Station and, in even numbered years this section must be managed based on either the pink salmon return to the Frazer system or on the sockeye salmon return to the Upper Station system. During the period August 26 through season's end this section must be managed based on the coho *and late sockeye salmon returns to all Olga Bay systems.*

(d) The Humpy-Deadman Section must be managed simultaneously, and with equivalent fishing time, with the Cape Alitak and Moser-Olga Bay sections during the period from June 9 through July 15. After July 15, the Humpy-Deadman Section must be managed based on the strength of returns to systems located within the section.

(e) The Dog Salmon Flats Section must be managed on the basis of sockeye and pink salmon returns to the Frazer River system during the period of June 9 through August 20. During the period of August 21 through season's end this section must be managed on the basis of coho salmon returns to the Dog Salmon River and Horse Marine systems. This section may only be opened to fishing when total desired escapement goals are expected to be exceeded. Such openings may not jeopardize achievement of minimum escapement goals for either of the two remaining salmon species. A 24 hour advance notice must be given before opening this section.

(f) The Inner and Outer Akalura sections must be managed based on early and late returns of sockeye salmon to the Akalura system during the period from June 9 through August 20. From August 21 through August 26, these sections must be managed based on coho and late sockeye

salmon returns to the Akalura system. After August 26, both sections must be managed based on coho salmon returns to the Akalura system. The Inner and Outer Akalura sections may be opened to fishing only when desired escapement goals are expected to be exceeded. Such openings may not jeopardize achievement of minimum escapement goals for other salmon species. Fishing time in the Outer Akalura Section must always occur before any fishing time in the Inner Akalura section is allowed for each target species. At least 24 hours advance notice must be given before opening either the Inner or Outer Akalura Sections.

(g) The Inner and Outer Upper Station sections must be managed based on early and late returns of sockeye salmon to the Upper Station system during the period from June 9 through August 20. From August 21 through August 25, these sections must be managed based on coho and late sockeye salmon returns to the Upper Station system. After August 26, both sections must be managed based on coho and late sockeye salmon returns to the Upper Station system. The Inner and Outer Upper Station sections may be opened to fishing only when desired escapement goals are expected to be exceeded. Such openings may not jeopardize achievement of minimum escapement goals for the other salmon species. Fishing time in the Outer Upper Station Section must always occur before any fishing time in the Inner Upper Station Section is allowed for each target species. At least 24 hours advance notice must be given before opening of either the Inner or Outer Upper Station sections.

5 AAC 18.362. WESTSIDE KODIAK MANAGEMENT PLAN. (a) The goal of the Westside Kodiak Management Plan is to achieve escapement and harvest objectives of sockeye salmon returning to the Karluk, Ayakulik, and other Westside minor sockeye salmon systems and of pink, chum and coho salmon returning to systems in the Southwest Afognak, Central, North Cape, Anton Larsen Bay, Sheratin Bay, Kizhuyak Bay, Terror Bay, Inner Uganik Bay, Spiridon Bay, Zachar Bay, Uyak Bay, Outer Karluk, Inner Karluk, Sturgeon Bay, Halibut Bay, Outer Ayakulik, and Inner Ayakulik sections. It is the intent of the board that salmon bound to these systems be harvested to the extent possible by the traditional fisheries located in all 17 sections. The department shall manage the Northwest Kodiak and Southwest Kodiak districts and the Southwest Afognak Section in accordance with the guidelines set out in this plan.

(b) The Central and North Cape sections shall be managed

(1) from June 9 through approximately June 15, as a mixed stock fishery directed on early run sockeye salmon returning to Karluk, Ayakulik, and Olga Bay systems. The department shall open two commercial test fishing periods, each not exceeding 33 hours in length, during this time.

(2) from approximately June 16 through July 5, based on early run sockeye salmon returning to the Karluk system.

(3) from approximately July 6 through August 15, based on pink salmon returning to the major pink salmon systems in the Northwest Kodiak District.

(4) from approximately August 16 through August 24, based on pink salmon returning to the Northwest Kodiak District and on late run sockeye salmon returning to the Karluk system.

(5) from approximately August 25 through September 5, based on ate run sockeye salmon returning to the Karluk system.

(6) after approximately September 5, based on coho salmon returning to the Northwest Kodiak District.

(c) The Anton Larsen Bay, Sheratin Bay, Kizhuyak Bay, Terror Bay, Inner Uganik bay, Spiridon Bay, Zachar Bay and Uyak Bay sections shall be managed

(1) from June 9 through approximately June 15, based on local sockeye and early run chum salmon returning to the major systems in each section. The department shall open two commercial test fishing periods, each not exceeding 33 hours in length and occurring simultaneously with those in the Central and North Cape sections, during this time.

(2) from approximately June 16 through July 5, based on local sockeye and early run chum salmon returning to the major systems in each section.

(3) from approximately July 6 through July 31, based on local sockeye, pin and early run chum salmon returning to the major systems in each section.

(4) from approximately August 1 through August 24, based on local pink and late run chum salmon returning to the major systems in each section.

(5) from approximately August 25 through September 5 based on local pink, late run chum and coho salmon returning to the major salmon systems in each section.

(6) after approximately September 5, based on coho salmon returning to the major coho salmon systems in each section.

(d) The Southwest Afognak Section shall be managed

(1) from June 9 through approximately June 15, as a mixed stock fishery directed on early run sockeye salmon returning to Karluk, Ayakulik, and Olga Bay systems. The department shall open one commercial test fishing period, not exceeding 33 hours in length, during this time;

(2) from approximately June 16 through July 5, based on early run sockeye salmon returning to the Karluk system;

(3) from approximately July 6 through August 15, based on pink salmon returning to the major pink salmon systems in the Southwest Afognak Section and the Northwest Kodiak District. From July 6 through July 25, the section must also be managed according to 5 AAC 18.363(c), the North Shelikof Management Plan;

(4) from approximately August 16 through August 24, based on pink salmon returning to the major pink salmon systems in the Southwest Afognak Section and the Northwest Kodiak District and on the late run sockeye salmon returning to the Karluk system;

(5) from approximately August 25 through September 5, based on late run sockeye salmon returning to the Karluk system;

(6) after approximately September, based on coho salmon returning to the major coho salmon systems in the Southwest Afognak District.

(e) The Inner and Outer Karluk sections must be managed

(1) from June 9 through July 15, based on early run sockeye salmon returning to the Karluk system. The department may open fishing periods in the Inner Karluk section only if it appears that the desired early run escapement goal will be exceeded. In the Outer Karluk Section, the department may not open more than one 33 hour fishing period before June 16 and, from June 16 through approximately July 15, shall open fishing periods simultaneously with open periods in the Central Section;

(2) from July 16 through approximately August 24

(A) on odd year cycles, based on late run sockeye salmon returning to the Karluk system;

(B) on even year cycles, based on late run sockeye and pink salmon returning to the Karluk system;

(3) from approximately August 25 through September 5, based on late run sockeye salmon returning to the Karluk system;

(4) after approximately September 5, based on coho salmon returning to the Karluk system.

(f) The Sturgeon and Halibut Bay sections shall be managed

(1) from June 9 through approximately June 22, as mixed stock fisheries directed on early run sockeye salmon returning to the Karluk, Ayakulik and Olga Bay systems. The department shall not open any commercial fishing periods during this time

(2) from approximately June 23 through July 15, based on early run sockeye salmon returning to the Ayakulik and karluk systems, except that the Sturgeon Section shall also be managed with consideration for early run chum salmon returning to the Sturgeon system;

(3) from approximately July 16 through August 24,

(A) in the Sturgeon Section

(i) on odd year cycles, based on late run sockeye salmon returning to the Karluk system;

(ii) on even year cycles, based on late run sockeye and on pink salmon returning to the Karluk system;

(B) in the Halibut Bay Section

(i) on odd year cycles, from approximately July 16 through July 31 on late run sockeye salmon returning to the Ayakulik system and, from approximately August 1 through August 24 on late run sockeye salmon returning to the Karluk system;

(ii) on even year cycles, from approximately July 16 through July 31, on late run sockeye salmon and pink salmon returning to the Ayakulik system and, from approximately August 1 through August 24, on late run sockeye salmon returning to the Karluk system and on pink salmon returning to the Ayakulik system;

(4) from approximately August 25 through September 5, based on late run sockeye salmon returning to the Karluk system;

(5) after approximately September 5, based on coho salmon returning to local coho salmon systems.

(g) The Inner and Outer Ayakulik sections shall be managed

(1) from June 9 through approximately July 15, based on early run sockeye salmon returning to the Ayakulik systems;

(2) from approximately July 16 thorough August 24

(A) on odd year cycles, based on late run sockeye salmon returning to the Ayakulik system;

(B) on even year cycles, based on late run sockeye and pink salmon returning to the Ayakulik system;

(3) after approximately August 24, based on coho salmon returning to the Ayakulik system.

5 AAC 18.363. NORTH SHELIKOF STRAIT SOCKEYE SALMON MANAGEMENT PLAN. (a) The purpose of the North Shelikof Strait Sockeye Salmon Management Plan is to allow traditional fisheries in the area to be conducted on Kodiak Area salmon stocks, while minimizing the directed harvest of Cook Inlet sockeye salmon stocks. The board recognizes that some incidental harvest of other stocks has and will occur in this area while the seine fishery is managed for Kodiak Area salmon stocks. The board intends, however, to prevent a repetition of the non-traditional harvest pattern which occurred in 1988.

(b) from July 6 through July 25 in the Dakavak Bay, Outer Kukak Bay, Inner Kukak Bay, Hallo Bay and Big River sections of the Mainland District and in the Shuyak Island and Northwest Afognak sections of the Afognak District, the department shall manage the fishery as follows:

(1) management of the fishery shall be based on local stocks;

(2) the fishery may remain open during normal fishing periods until the harvest exceeds 15,000 sockeye salmon;

(3) when the harvest exceeds 15,000 sockeye salmon, the department shall restrict the fishery by emergency order to waters of:

(A) Dakavak Bay, Outer Kukak Bay, Inner Kukak Bay, Hallo Bay and Big River sections west of a line from Cape Douglas at 58°51'06" N. lat., 153°14'54" W. long.,to a point at 58°42'40" N. Lat., 153°26'18" W. Long., to a point east of Swikshak river at 58°38'06" N. lat., 153°35'24" w. long., to Cape Chiniak at 58°31' N. lat., 153°54'21" W. long., to Cape Nukshak at 58°23'30" N. lat., 153°57' w. long., to Cape Ugyak at 58°16'36" N. lat., 154°06'03" W. long., to Cape Gull at 58°13' N. lat., 154°08'30" W. long., to Cape Kuliak at 58°08'11" N. lat., 154°12'34" W. long., to Cape Atushagvik at 58°05' N. lat., 154°18'48" W. long., to Cape Iiktugitak at 58°01'12" N. lat., 154°34'48" W. long., to the southern entrance of Dakavak Bay at 58°01' N. lat., 154°43'30" W. long.;

(B) Shuyak Island and Northwest Afognak sections south and east of a line from Point Banks at 58°38' N. lat., 152°18'54" W. long., to Dark Island at 58°38'45" N. lat., 152°33'05" W. long., to Gull Island at 58°35'48" N. lat., 152°38'45" W. long., to the northern entrance of Big Bay at 5806" N. lat., 152°40'12" W. long., to the western entrance of Blue fox Bay at 58°27'41" N. lat., 152°43'42" W. long., to Black cape at 58°24'33" N. lat., 152°53'09" w. long., to Cape Paramanof at 58°18'21" N. lat., 153°02'45" W. long.

(c) From July 6 through July 25 in the Southwest Afognak Section of the Afognak District, the department shall manage the fishery as follows:

(1) management of the fishery shall be based on local stocks consistent with 5 AAC 18.362(d)(3);

(2) the fishery may remain open during normal fishing periods until the harvest exceeds 50,000 sockeye salmon;

(3) when the harvest exceeds 50,000 sockeye salmon, the department shall restrict the fishery by emergency order to waters of the Southwest Afognak Section east of a line from one-half nautical mile west of Cape Paramanof at 58° 18' 21" N. lat., 153° 02' 45" W. long., to one-half nautical mile west of Tanaak Cape at 58° 15' 36" N. lat., 153° 06' 09" W. long., to one-half nautical mile west of Steep Cape at 58° 12' 05" N. lat., 153° 12' 33" W. long., to one-half nautical mile west of a point at 58° 08' 25" N. lat., 153°18' 52" W. long., to one-half nautical mile west of Raspberry Cape at 58° 03' 35" N. lat., 153° 25' 06" W. long.

5 AAC 18.364. CRESENT LAKE COHO SALMON MANAGEMENT PLAN. (a) From July 15 through October 31, the department shall manage the commercial, sport, and subsistence fisheries in Settler Cove to provide for full utilization of the enhanced stock of coho salmon returning to Cresent Lake in accordance with the Cresent Lake Coho Salmon Management Plan in this section.

(b) Sport and subsistence fisheries are allowed in all waters of Settler Cove consistent with 5 AAC 64 and 5 AAC 01.

(c) The department may open, by emergency order, those waters of Settler Cove, between the causeway and a line from the seaward end of the Port Lions breakwater to a department marker located directly across Settler Cove from the breakwater, to the commercial taking of salmon only as follows:

(1) the department shall not allow the commercial taking of salmon before September 10 and;

(2) before opening the fishery, the department shall determine that 500 or more coho salmon are available in Settler Cove for harvest.

5 AAC 18.365. EASTSIDE AFOGNAK MANAGEMENT PLAN. (a) The goal of the Eastside Afognak Management Plan is to achieve escapement and harvest objectives of sockeye, pink, coho, and chum salmon returning to natural spawning systems in the Southeast Afognak, Duck Bay, Izhut Bay, and Kitoi Bay sections, and brood stock to Kitoi Bay hatchery. It is the intent of the board that salmon bound to these systems be harvested by the commercial fisheries located in these sections.

(b) The Southeast Afognak Section shall be managed on sockeye salmon returning to Afognak Lake during the period from June 9 through July 5. From July 6 through August 24, fishing opportunities will be based on pink salmon returning to major systems in Afognak, Kazakof (Danger), and Marka bays. After August 24, fishing time will be dependent on coho salmon returning to this section.

(c) The Duck Bay Section shall be managed based on early chum or sockeye salmon returns to Kitoi Bay hatchery during the period June 9 through July 18. From July 19 through August 24, fishing time will be based on returning mixed wild and hatchery pink salmon. After August 24, this section shall be managed on local coho salmon runs.

(d) The Izhut Bay Section shall be managed based on the early chum or sockeye salmon returning to Kitoi Bay hatchery during the period June 9 through July 18. From July 19 through August 1, this section may remain closed to fishing to assure that pink salmon cost recovery goals are achieved at Kitoi Bay hatchery. If hatchery cost recovery harvests are not required, fishing time in this section will depend on returning wild and hatchery pink salmon from July 19 through August 24. After August 24, fishing time will be dependent on returns of local coho salmon and late hatchery sockeye salmon runs.

(e) The Kitoi Bay Section shall be managed on early run chum or sockeye salmon returning to the Kitoi Bay hatchery, from June 9 through July 20. From July 3 through July 20, fishing opportunities will not occur until chum salmon brood stock requirements for the hatchery are assured. After July 20 through August 20, this section will be managed for pink salmon cost recovery and brood stock requirements. If there is no pink salmon cost recovery, the section may be managed to harvest pink salmon that exceed to brood stock needs. After August 20, fishing opportunities may be provided to harvest returning late sockeye and coho salmon that exceed to brood stock needs.

5 AAC 18.366. SPIRIDON LAKE SOCKEYE SALMON MANAGEMENT PLAN. (a) The department shall manage the commercial, sport, and subsistence fisheries in Spiridon Bay to provide for full use of the enhanced stock of sockeye salmon returning to Spiridon Lake.

(b) The purpose of the Spiridon Bay harvest strategy is to allow the orderly harvest of sockeye salmon returning to Telrod Cove from the Spiridon Lake enhancement project while providing adequate protection for local natural salmon stocks returning to other streams of the bay. The intent of the enhancement project is for the harvest of returning enhanced salmon to occur in traditional commercial fishing areas of the Northwest Kodiak District during openings directed at harvesting Karluk sockeye and westside pink and chum salmon stocks.

(c) The Spiridon Bay Special Harvest Area is that area in Spiridon Bay west of a line from 153° 37' 21" W. long., 57° 38' 54" N. lat., to the opposite shore at 153° 38' 27" W. long., 57° 38' N. lat., to 153° 42' 24" W. long.

(d) Only purse seines and beach seines may be operated in the Spiridon Bay Special Harvest Area.

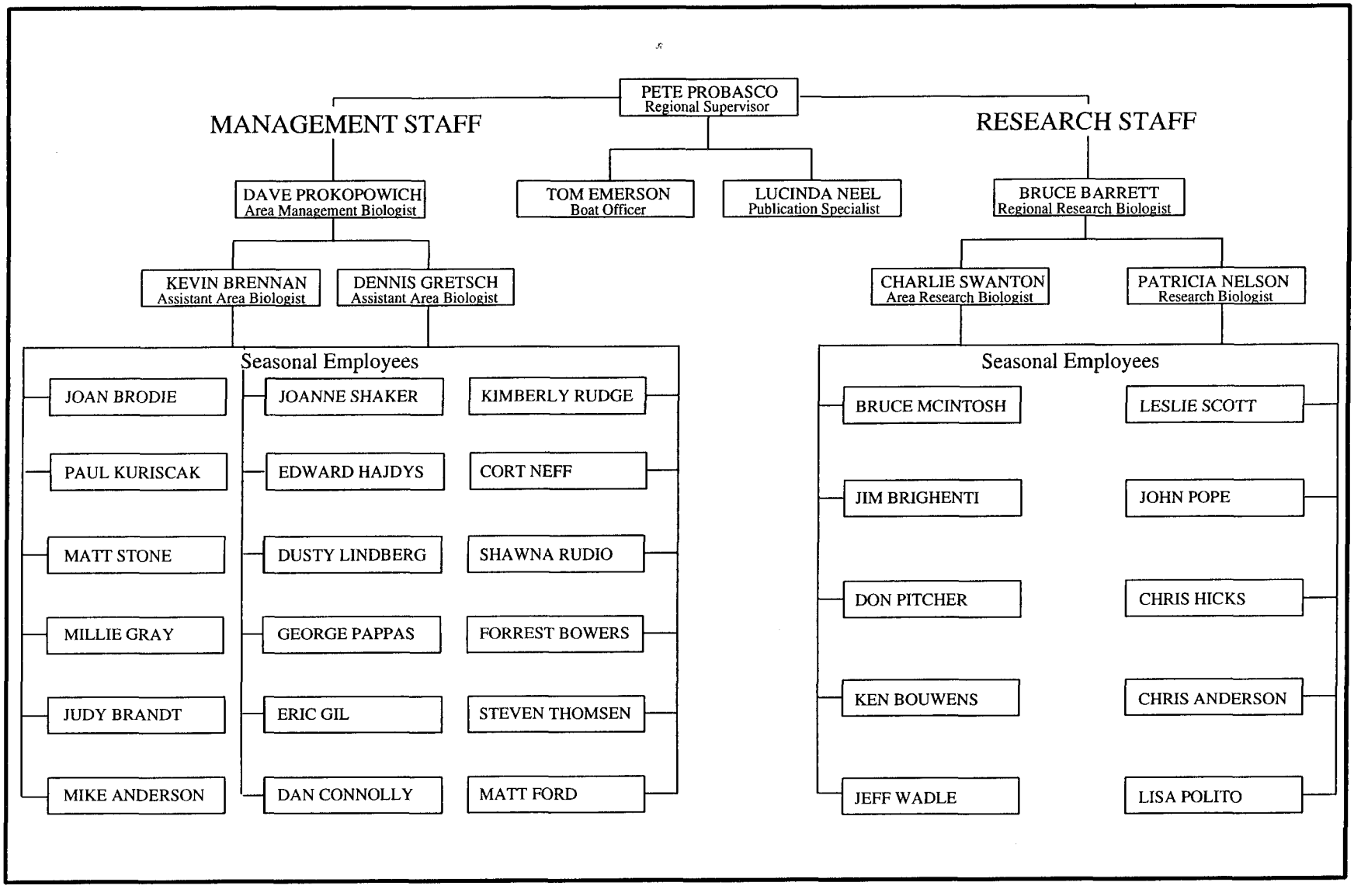
(e) If a harvestable surplus of enhanced sockeye salmon is in the special harvest area emergency order openings, not to exceed six hours per day and only during daylight hours, will be announced. The openings will be started by an aerial flare launched by an ADF&G representative. When possible, openings will be coordinated to occur at the beginning of openings in the Northwest Kodiak District.

5 AAC 18.394. POSSESSION OF STEELHEAD. Steelhead taken incidental to commercial salmon fishing in Karluk Lagoon must be returned to the water unharmed.

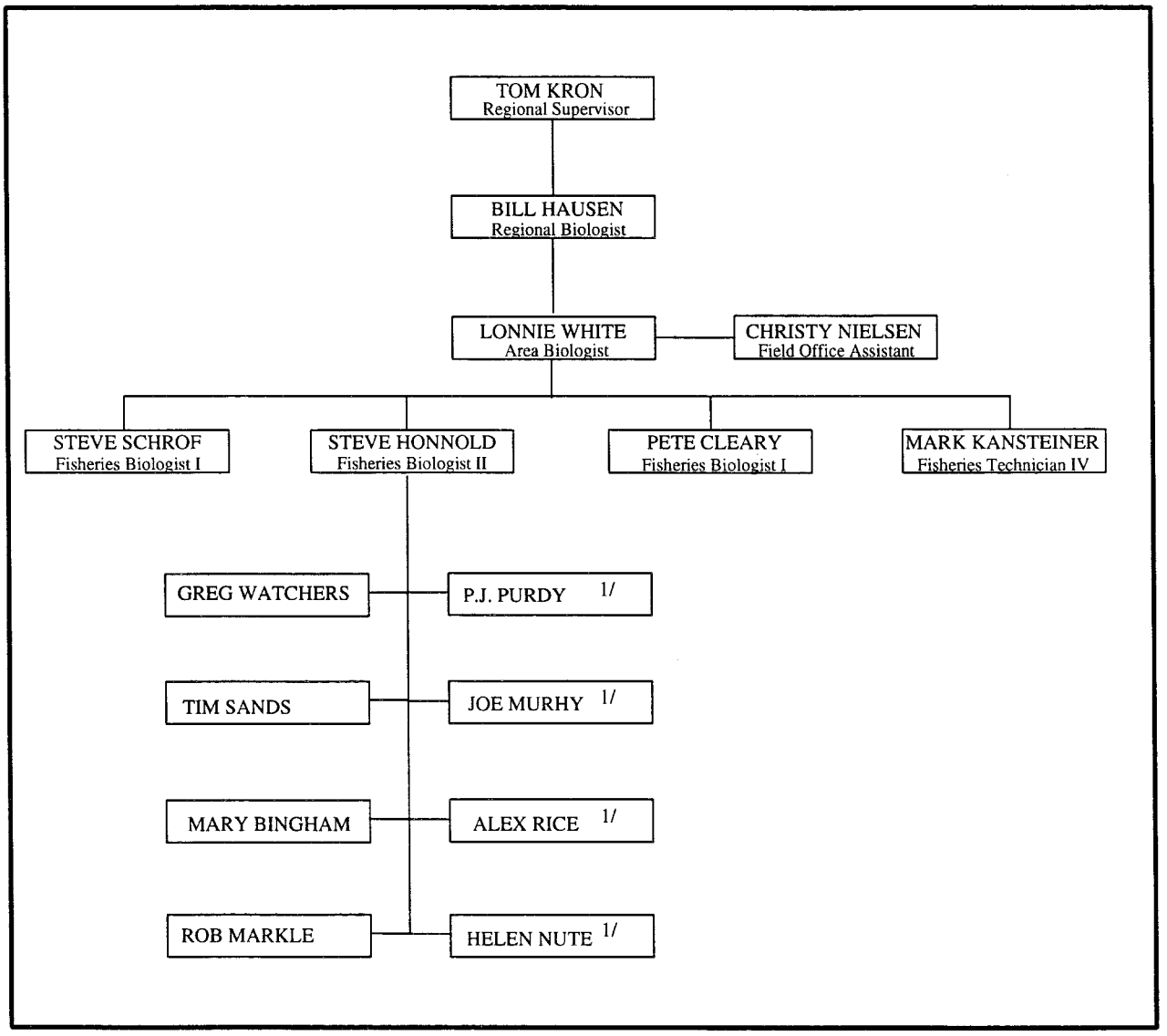
Appendix D.1. Commercial salmon management, research, and development field projects and dates of operation in the Kodiak Management Area, 1994.

Field Project Location	Purpose	Dates of Operation
Karluk Lagoon	Adult Salmon Counting Weir	5/09 - 9/23
Red Lake	Sockeye Salmon Smolt Weir	5/01 - 7/01
Ayakulik River	Adult Salmon Counting Weir	5/21 - 9/05
Upper Station	Adult Salmon Counting Weir	5/30 - 9/10
Dog Salmon River	Adult Salmon Counting Weir	6/01 - 9/05
Frazer Lake	Sockeye Salmon Smolt Weir and	5/10 - 6/30
	Adult Salmon Fish Pass	6/16 - 8/05
Akalura Creek	Sockeye Salmon Smolt Weir and	5/01 - 6/30
	Adult Salmon Counting Weir	6/06 - 9/06
Afognak River	Adult Salmon Counting Weir	5/27 - 9/17
Saltery Creek	Adult Salmon Counting Weir	6/19 - 9/21
Buskin River	Adult Salmon Counting Weir	6/01 - 7/23
		8/16 - 9/30
Pauls Lake	Adult Salmon Counting Weir	6/07 - 9/06
Little Waterfall	Adult Salmon Fishpass	7/01 - 9/07
Malina Lake	Sockeye Salmon Smolt Weir and	5/25 - 6/21
	Adult Salmon Counting Weir	5/28 - 8/11
Spiridon Lake	Sockeye Salmon Smolt Weir	4/25 - 6/27
	Enhanced Sockeye Fishery Monitoring	7/15 - 9/20
Little Kitoi Lake	Sockeye Salmon Smolt Weir and	5/11 - 6/15
	Adult Salmon Counting Weir	5/11 - 8/30
Big Bay Creek	Adult Salmon Counting Weir	8/07 - 9/30

[a] This list does not include field projects of short duration, such as smolt sampling, lake limnology, hydroacoustic studies, etc.



Appendix D.2. Flowchart of the Alaska Department of Fish and Game staff involved in salmon management and research for the Kodiak Management Area, 1994.



1/ - These employees funded by Kodiak Regional Aquaculture Association.

Appendix D.3. Flowchart of the Alaska Department of Fish and Game staff involved in the rehabilitation, enhancement, and developement of the salmon systems of the Kodiak Management Area, 1994.

Appendix E.1. Preliminary forecast of the 1994 pink salmon return to the Kodiak Management Area.

	Forecast Estimate (millions)	Forecast Range (millions)
NATURAL PRODUCTION:		
Run Estimate	16.2	14.7 - 17.6
Escapement Goal[a]	3.9	3.9
Harvest Estimate	**12.3**	**10.8 - 13.7**
HATCHERY PRODUCTION:		
Hatchery Run[b]	1.7	1.7 - 4.4
Broodstock Needs	0.3	0.3
Harvest Estimate	**1.4**	**1.4 - 4.1**
TOTAL PRODUCTION:		
Run Estimate	17.9	16.4-22.0
Escapement Goal[a]	4.2	4.2
Harvest Estimate	**13.7**	**12.2 - 17.8**

[a] With the exception of hatchery production all escapement values represent indexed escapement.
[b] Kitoi Bay Hatchery production forecast was prepared by Tim Joyce. See Afognak District for details.

Forecast Methods

The forecast for the 1994 **natural or wild pink salmon** run to the Kodiak Management Area (KMA) was determined as follows: A point estimate for the total return to the KMA was calculated from a stepwise multiple regression analysis of the past 27 years preemergent pink salmon sampling data. Variables used in the analysis were the indexed live fry densities for Kodiak and Afognak, the March and April ambient air temperatures taken in Kodiak, and these temperature's departure from average. Eight combinations of variables were tested, and the model with the lowest error and highest R^2 value was chosen. The upper and lower ranges are the 80% confidence intervals. Additionally, this year a point estimate of the expected harvest was calculated using the same variables, and compared to the total run estimates. The model utilizing the unweighted live fry index for Kodiak and Afognak and the average April temperature was chosen for the 1994 forecast.

-Continued-

Even year survival rates from 1978-1992 brood years were used to forecast the 1994 Kitoi Bay hatchery pink run. The low range estimate was calculated by using the average survival rate of the two lowest even year returns, and the high range was calculated by using the average survival rate of the two highest even year returns. Due to the poor early marine rearing conditions, the Kitoi Bay Hatchery manager recommended using the low end of the range as an actual estimate of the 1994 return.

Discussion of the 1994 Forecast

Preemergent pink salmon fry sampling of the Kodiak Management Area index streams conducted during March and April of 1993 indicated generally good over winter survival of the eggs and sac fry. These fry were from a fair brood year escapement in 1992; the indexed escapement estimate was 3.5 million pink salmon. Sampling resulted in an unweighted live fry index of 205.84 live fry per square meter of spawning area. This live fry index is the sixth highest even year index on record. Early spring conditions in 1993 may not have been entirely favorable for outmigration and rearing in the nearshore ocean environment. Ambient air temperatures, as measured in Kodiak, were well above average from March through June, but cloudy and rainy conditions predominated on the east side of Kodiak and Afognak Islands during April and May. Kitoi Bay Hatchery manager Tim Joyce noted that cloudy weather and cool water temperatures delayed the spring plankton bloom, and so negatively affected marine survival. **For planning purposes, the actual 1994 harvest is likely to approach the lower end of the combined range at 12.2 million pink salmon and likely will not exceed the combined point estimate of 13.7 million pink salmon.**

Winter conditions for the eggs spawned in 1992 led to some concern for the 1994 return. Early winter conditions were fair, with low water in the creeks, low snowfall, and generally mild temperatures. For a week in mid January, and again for a week at the beginning of February, temperatures fell to just above 0° F, with windchill driving the temps down to - 20° to - 50° F. There was very little snow cover and low water levels in the streams near town, so some freezing damage to the pink salmon eggs was expected. Conditions during the early March were generally cold and blizzardy turning to cool rainy days in late March and April. April storms delayed helicopter travel and raised creek levels to the point that many streams could not be sampled. During the sampling period all the index streams were open, though there was some shore ice. All lakes, including Karluk Lake, were ice covered during the project. There were a few breaks in the ice on Karluk Lake, and open water was present on the south end of Camp Island and on the north end of the lake at the outlet. Though signs of flooding and scouring were seen, good survival was documented.

-Continued-

The 1994 forecast is broken down by district as follows:

Afognak District: The preemergent fry index for this district was only about average for an even year return. Rains in late March and early April raised the stream water levels so high that less than half of the standard sites could be sampled. Fry production from Portage Creek (Perenosa) was much higher than average, while East Arm Paramanof and Big Danger Creek were both below average. Due to the poor early marine conditions, a harvest of only **700,000** pink salmon is expected. The escapement goal is 250,000 pink salmon, and the total return is expected to be approximately 950,000 pink salmon.

Afognak District Supplemental Production: The Kitoi Bay Hatchery pink salmon return estimate is 1.7 million fish from a release of 137.8 million reared fry and 31.8 million emergent fry. Only 270,000 pinks are needed for escapement and brood stock requirements, leaving 1.4 million pink salmon available for harvest. Due to the poor early marine rearing conditions the hatchery manager used the two lowest even year survival rates for the return estimate.

Westside Districts: Overall, the live fry density for these districts were average for an even year return. There were good numbers of live fry found in the Uyak, Zachar, and Uganik Rivers, as well as Brown's Lagoon and Baumann's Creeks. The large systems, Karluk and Red River, both had below average survival. There were signs of freezing damage and localized flooding, but overall this was not a factor. Fair escapement of pink salmon in 1992 combined with mild spring conditions and fair early marine rearing conditions lead to a forecast of 7.25 million pink salmon expected to return to these districts. The escapement goal is 2.25 million pink salmon, leaving **5.0 million** pink salmon available for harvest.

Alitak District: Live fry densities for this district were above the even return year average. Heavy scouring was evident on lower Humpy River, but the fry held and survived exceptionally well, and fry densities were well above average. Again, the mild spring should have enhanced early marine fry survival. As a result of high fry densities and favorable early marine conditions, a run of 2.5 million pink salmon is expected for this district. The escapement goal is 500,000 pink salmon for the Alitak District, leaving about **2.0 million** pink salmon available for harvest.

Eastside Districts: The overall live fry index for these districts was again slightly above average. There were very high fry densities on some eastside streams, notably Seven Rivers, Kiliuda and Barling. Freezing damage was evident in both Kaiugnak and the Buskin, and both had poor indices. American, Sid Olds, and Saltery Creeks all had average to below average live fry densities. It is suspected that the poor spring conditions noted along the eastside may lead to lower survival of outmigrating fry. Approximately 4.0 million pink salmon are forecasted to return to these districts, and subtracting the escapement goal of 500,000 pink salmon, this leaves **3.5 million** pink salmon available for harvest.

-Continued-

Mainland District: Fry sampling in this district was incomplete due to adverse weather conditions. Heavy rains delayed sampling and most streams showed signs of flooding. Kashvik and Alinchak streams were completely blank, with no live fry or eggs, and only few dead eggs, found. Kukak, Missak, and Kinak streams all had poor live fry indices. Only Geographic and Dakavak had good fry indices, and the overall index for the Mainland District was well below average. Factoring in fair to good early marine conditions, about 1.5 million pink salmon are forecasted to return to this district in 1994. Escapement requirements for this district are 400,000 pink salmon, so approximately **1.1 million** pink salmon should be available for harvest.

Prepared by: Kevin Brennan
Assistant Area Management Biologist
Kodiak Management Area

Appendix E.2. Pink salmon forecast based on established methods for the Kodiak Management Area, 1994.

The "standard" stepwise multiple regression approach for the Kodiak pink salmon forecast, using the revised data you provided, produced a yield of approximately 18 million pink salmon for the 1994 fishing season. The 80% confidence estimate is 16.6-19.6 million salmon and the 80% prediction interval estimation is 13.0-23.3 million salmon.

The "Fry Index 2" and "the sum of March deviation and April deviation from the norm" model was chosen by stepwise regression. This model had the highest R^2 value of 0.688, and the lowest MSE (mean squared error) of 13.93 (Table 1).

I then calculated the same table for harvest versus the return, except I the 1989 "harvest" due tothe oil spill complication. The harvest prediction was approximately 12 million pink salmon. The 80% confidence estimate is 10.6-13.1 million salmon and the 80% prediction interval estimation is 7.2-16.5 million salmon.

The "Fry Index 1" and "April temperature" model was chosen. This model had the highest R^2 value of 0.643 and the lowest MSE of 11.625 (Table 2). For consistency one might want to use the "Fry Index 1" and April temperature model for the return as well, since the R^2 value and the MSE terms are very close to those for the "preferred" model.

For the last calculation I estimated the return without the 1989 run, due (as noted above) to the oil spill complications. This yielded an estimated return very similar to leaving in the 1989 year, with an estimate of 18 million fish.
The 80% confidence interval estimation is 16.5-19.5 million salmon and the 80% prediction interval estimation is 12.9-23.2 million salmon. Once again, the "Fry Index 1" and April temperature model seemed reasonable as well.

The "Fry Index 2" and "the sum of March deviation and April deviation from the norm" temperature model for the return without the oil spill year (1989). This model had the highest R^2 value of 0.7008 and the lowest MSE of 13.88 (Table 3).

Table 1. Kodiak pink salmon forecast models, and associated R^2, MSE, 80% confidence interval, 80% prediction interval and point (return) estimates, 1994.

Model	R^2	MSE	80% Confidence Interval Lower	80% Confidence Interval Upper	80% Prediction Interval Lower	80% Prediction Interval Upper	Point Est.
Fry 1 with:							
March[a]	0.619	17.00	13.6	16.2	9.3	20.5	14.9
April[b]	0.687	13.97	14.8	17.6	11.1	21.3	16.2
M+A dev[c]	0.653	15.47	14.1	16.7	10.1	20.8	15.4
$(MD\&AD)^2$	0.518	21.50	12.5	15.0	7.5	20.0	13.7
Fry 2 with:							
March	0.632	16.42	15.8	18.8	11.8	22.9	17.3
April	0.670	14.74	16.6	19.8	12.9	23.5	18.2
(S) M+A dev[d]	0.688	13.93	16.6	19.6	13.0	23.3	18.1
$(MD\&AD)^2$	0.507	22.02	14.3	17.5	9.5	22.3	15.9

Table 2. Kodiak pink salmon forecast models, and associated R^2, MSE, 80% confidence interval, 80% prediction interval and point (harvest, without 1989 data) estimates, 1994.

Model	R^2	MSE	80% Confidence Interval		80% Prediction Interval		Point Est.
			Lower	Upper	Lower	Upper	
Fry 1 with:							
March[a]	0.603	12.90	9.9	12.2	6.2	15.9	11.0
April[b]	0.642	11.62	10.6	13.1	7.2	16.5	11.9
M+A dev[c]	0.631	11.99	10.2	12.6	6.7	16.1	11.4
(MD&AD)[2]	0.536	15.08	9.1	11.3	5.0	15.5	10.2
Fry 2 with:							
March	0.570	14.01	11.4	14.3	7.7	18.0	12.9
April	0.594	13.22	11.9	14.9	8.4	18.4	13.4
(S) M+A dev[d]	0.621	12.34	12.0	14.9	8.6	18.3	13.4
(MD&AD)[2]	0.487	16.69	10.4	13.3	6.3	17.4	11.9

Table 3. Kodiak pink salmon forecast models, and associated R^2, MSE, 80% confidence interval, 80% prediction interval and point (return without 1989 data) estimates, 1994.

Model	R^2	MSE	80% Confidence Interval		80% Prediction Interval		Point Est.
			Lower	Upper	Lower	Upper	
Fry 1 with:							
March[a]	0.617	17.76	13.5	16.3	9.2	20.6	14.9
April[b]	0.688	14.47	14.7	17.6	10.9	21.4	16.2
M+A dev[c]	0.652	16.12	14.0	16.7	9.9	20.8	15.4
(MD&AD)[2]	0.516	22.46	12.4	15.1	7.3	20.1	13.7
Fry 2 with:							
March	0.636	16.87	15.6	18.8	11.6	22.9	17.2
April	0.685	14.61	16.5	19.7	12.8	23.4	18.1
(S) M+A dev[d]	0.700	13.88	16.5	19.5	12.9	23.2	18.0
(MD&AD)[2]	0.512	22.60	14.2	17.5	9.3	22.3	15.8

[a] "March" is the average March temperature, as measured by the National Weather Service, at the Kodiak Airport.

[b] "April" is the average April temperature, as measured by the National Weather Service, at the Kodiak Airport.

[c] "M+A dev" is the sum of March deviation and April deviation from norm, as supplied by the National Weather Service, at the Kodiak Airport.

[d] "MD" and "AD" are the March and April deviations from the norm.

[e] "(S)" denotes the model from the "Standard approach", i.e. stepwise multiple regression.

Data from unpublished memorandum from Ivan Vining, Regional Biometrician, to Kevin Brennan, Kodiak Area Assistant Management Biologist, 1993.

Appendix E.3. Pink salmon preemergent fry sampling results for the 1994 adult pink salmon return to the Kodiak Management Area.

Stream	Digs	Dig Dates	Live Fry	Live Eggs	Dead Fry	Dead Eggs	1993 Index LiveFry/M^2	% Digs WithFry	1991 Index	1989 Index	Range of Development	H_2O Temp.
Perenosa - Up	0		-	-	-	-	-	-	308.54	66.44		
Perenosa - Down	30	4/03/93	1,345	0	144	602	241.20	46.7	95.94	162.30	70 - 95	3.0°C
Perenosa (Total)	(30)		(1,345)	(0)	(144)	(602)	(241.20)	(46.7)	(180.98)	(123.96)		
Paramanoff	0		-	-	-	-	-	-	126.83	309.35		
Malina	40	4/03/93	1,011	7	283	2,856	135.98	70.0	345.75	206.50	40 - 95	2.5°C
Afognak	0		-	-	-	-	-	-	105.56	85.33		
Danger	40	4/01/93	1,327	0	4	708	178.49	45.0	173.51	437.80	30 - 95	2.0°C
Seal Bay (N)	(25)	4/10/93	(1,487)	(2)	(42)	(570)	(320.00)	(84.0)	(328.83)	(729.53)	40 - 95	3.5°C
L. Waterfall (N)	(0)	(-)	(-)	(-)	(-)	(-)	(-)	(328.8)	(754.28)			
Afognak Total	**110**		**3,683**	**7**	**431**	**4,166**	**180.13**	**54.6%**	**203.53**	**220.76**	**40 - 95%**	
Baumans	30	3/29/93	2,019	432	0	2,526	362.08	83.4	94.69	163.55	20 - 95	3.0°C
Terror	50	3/30/93	196	0	0	318	21.09	14.0	7.21	34.54	95	2.5°C
Uganik	60	3/18/93	428	0	0	3,085	38.38	41.7	18.29	14.52	80 - 90	2.5°C
Little	40	3/18/93	773	0	174	1,467	103.97	47.5	137.06	31.34	20 - 95	1.5°C
Red - Up	60	3/19/93	4,289	18	939	6,698	384.58	95.0	562.48	313.26	20 - 95	1.5°C
Red - Down	60	3/19/93	2,498	12	780	3,619	223.98	91.7	697.79	378.67	30 - 90	2.0°C
Red (Total)	(120)		(6,787)	(30)	(1,719)	(10,317)	(304.28)	(93.4)	(630.13)	(345.93)		
Zachar - Up	30	3/25/93	295	1	0	104	52.91	20.0	0.0	0.0	70 - 80	3.0°C
Zachar - Down	20	3/25/93	245	3	0	1,607	65.91	35.0	37.93	138.80	30 - 90	2.0°C
Zachar (Total)	(50)		(540)	(4)	(0)	(1,711)	(58.11)	(26.0)	(15.17)	(55.52)		
Uyak 202	60	3/24/93	2,240	0	234	1,044	200.85	48.4	63.13	63.22	40 - 95	2.0°C
Browns	60	3/25/93	3,240	0	270	3,238	290.52	60.0	79.36	52.19	40 - 90	0.5°C
Karluk	80	3/20/93	274	0	7	2,062	18.43	31.3	22.42	34.43	80 - 95	4.0°C
Sturgeon	40	3/20/93	149	0	0	44	20.04	5.0	35.72	0.0	70	3.0°C
Westside Total	**590**		**16,646**	**466**	**2,404**	**25,812**	**151.79**	**49.7%**	**176.66**	**111.54**	**20 - 95%**	
Deadman	60	3/24/93	2,562	0	23	309	229.73	45.0	19.64	149.83	20 - 90	3.5°C
Narrows	30	3/22/93	66	0	0	8	11.84	10.0	10.22	53.08	30 - 50	2.0°C
Dog Salmon	60	3/22/93	1,343	0	23	106	120.42	25.0	61.60	138.98	75 - 95	2.0°C
Humpy - Up	30	3/16/93	3,158	1	36	98	566.33	63.4	127.33	357.77	60 - 90	1.0°C
Humpy - Down	60	3/17/93	6,343	23	949	595	568.76	86.7	209.82	397.04	60 - 95	3.5°C
Humpy (Total)	(90)		(9,501)	(24)	(985)	(693)	(567.95)	(78.9)	(182.32)	(383.95)		
Alitak Total	**240**		**13,472**	**24**	**1,031**	**1,116**	**302.00**	**48.4%**	**89.96**	**223.09**	**20 - 95%**	

-Continued-

Stream	Digs	Dig Dates	Live Fry	Live Eggs	Dead Fry	Dead Eggs	1993 Index LiveFry/M^2	% Digs WithFry	1991 Index	1989 Index	Range of Development	H_2O Temp.
Kiliuda	40	3/14/93	708	0	12	458	95.26	40.0	42.37	26.09	40 - 90	3.0°C
Barling	40	4/02/93	1,010	0	3	2,112	135.85	45.0	88.23	65.18	40 - 95	2.5°C
Kaiugnak	50	3/17/93	3,372	1	97	2,704	362.83	70.0	472.36	426.91	40 - 90	3.5°C
Seven Rivers - Up	30	3/16/93	3,904	0	50	1,098	700.12	86.7	184.35	289.98	40 - 90	3.0°C
Seven Rivers - Down	60	3/16/93	8,756	0	510	5,150	785.12	95.0	320.56	401.62	20 - 90	2.5°C
Seven Rivers(Total)	(90)		(12,660)	(0)	(560)	(6,248)	(756.78)	(88.9)	(275.16)	(364.41)		
Miam	50	3/14/93	5	11	0	28	0.45	4.0	22.78	6.37	40 - 70	1.5°C
Saltery	50	3/09/93	155	3	2	398	16.68	22.0	9.04	11.41	65 - 95	3.0°C
Hurst	40	3/09/93	56	0	0	260	7.53	12.5	4.71	143.78	40 - 80	2.5°C
Sid Olds	50	3/03/93	1,672	25	23	427	179.91	64.0	51.43	157.74	20 - 99	2.0°C
American	60	3/04/93	1,176	0	0	258	105.45	20.0	12.73	66.44	20 - 95	4.0°C
Sheratin	50	3/13/93	2,239	0	12	174	240.92	58.0	243.61	192.82	50 - 90	3.0°C
Buskin - Up	20	3/02/93	563	2	22	400	151.45	70.0	464.83	45.13	40 - 90	2.0°C
Buskin - Down	40	3/02/93	738	0	52	3,357	99.26	47.5	256.36	376.74	20 - 80	2.0°C
Buskin (Total)	(60)		(1,301)	(2)	(74)	(3,757)	(116.66)	(55.0)	(325.85)	(402.07)		
Monashka (N)	15	4/01/93	483	0	0	310	173.24	40.0	347.44	-	30 - 95	2.5°C
Beaver Pond (N)	40	3/13/93	808	0	0	565	108.68	25.0	38.06	191.39	60 - 90	4.5°C
Pillar (N)	0		-	-	-	-	-	-	196.69	-	-	
General Total	**580**		**24,354**	**42**	**783**	**16,824**	**247.22**	**42.6%**	**167.93**	**223.28**	**20 - 99%**	
KODIAK-AFOGNAK TOTAL	**1520**		**58,155**	**539**	**4,649**	**47,918**	**205.84**	**49.1%**	**161.01**	**186.46**	**20 - 99%**	
Kukak	30	4/07/93	30	0	91	83	5.38	3.3	-	0	90 - 99	5.5°C
Missak	30	4/06/93	68	0	0	18	12.19	16.7	-	307.74	95 - 99	5.0°C
Kinak	40	4/07/93	424	0	5	269	57.03	40.0	-	21.79	40 - 90	4.0°C
Geographic	20	4/07/93	725	0	40	14	195.03	55.0	-	222.19	80 - 95	3.0°C
Dakavak	30	4/07/93	691	0	51	33	123.92	40.0	-	109.21	70 - 95	4.0°C
Kashvik	40	4/08/93	0	1	0	521	0	0.0	-	79.09		4.0°C
Alinchak	30	4/08/93	0	0	28	40	0	0.0	-	224.17		1.5°C
Portage	30	4/08/93	92	0	0	28	16.51	20.0	-	303.61		1.5°C
Oil	0		-	-	-	-	-	-	-	-		
Jute	0		-	-	-	-	-	-	-	-		
Kanatak	0		-	-	-	-	-	-	-	75.50		
Big Creek	0		-	-	-	-	-	-	-	-		
Mainland Total	**250**		**2,030**	**1**	**215**	**1,006**	**43.69**	**20.4%**	**-**	**138.43**	**40 - 99%**	

Temperature Data: March Mean Temp. = 35.3°f; Deviation from March Norm = +2.4°f. April Mean Temp. = 40.3°f; Deviation from April Norm = +2.8°f.
(N) = Non-Index Streams, results not included in District totals.

Appendix E.4. Preseason forecast of the sockeye salmon run to the Ayakulik Lake system of the Kodiak Management Area, 1994.

	Forecast Estimate (thousands)	Forecast Range (thousands)
Total Run Estimate	425	275-575
Escapement Goal	200-300	
Harvest Estimate	175	

FORECAST METHODS:

The 1994 Ayakulik sockeye run forecast represents the sum of six age specific estimates determined from sibling relationships and smolt indices. Age 1.3 fish were estimated from age 1.2 siblings, while age 2.3 return from age 2.2 siblings. Ages 1.1, 1.2, 2.1, and 2.2 returns were estimated from brood year smolt numbers.

The forecast range is a subjective estimate of the 80% confidence interval.

FORECAST DISCUSSION:

The 1994 Ayakulik sockeye run should be about 50% less than the 1993 run and produce a west side terminal catch in the Outer and Inner Ayakulik Sections of about 175,000 fish.

Overall, our confidence in the 1994 Ayakulik run forecast estimate is fair; mainly because most of the estimate is derived from a limited smolt data set.

If the 1994 run materializes as projected, age 2.2 fish will comprise about 70% of the run. Two-ocean age fish should represent about 70% and 3-ocean age fish 30% of the run.

The majority of the 1994 Ayakulik catch should occur in June.

Prepared By: Bruce M. Barrett, Patricia Nelson, and Ivan Vining
Commercial Fisheries Management and Development Division
Kodiak

Appendix E.5. Preseason forecast of the sockeye salmon run to the Frazer Lake system of the Kodiak Management Area, 1994.

	Forecast Estimate (thousands)	Forecast Range (thousands)
Total Run Estimate	700	500-900
Escapement Goal	140-200	
Harvest Estimate	525	

FORECAST METHODS:

The 1994 Frazer Lake run forecast represents the sum of four age specific estimates from regression equations developed from sibling relationships for post 1979 brood years and two age specific estimates derived from smolt abundance indices. Age 1.2 return was determined from age 1.1 siblings; age 1.3 from age 1.2 siblings; and age 2.2 from age 2.1 and 1.1 siblings. Age 2.1 and 3. 2 returns were estimated using brood year smolt indices. The forecast range is the 80% confidence interval.

FORECAST DISCUSSION:

The 1994 Frazer Lake run is expected to be slightly better (5%) than the 1993 run. Two-ocean age fish are expected to comprise 50% of the run, 3-ocean age fish 45%.

The 1994 run should be dominated by ages 2.2 (46%) and 2.3 (24%) fish.

The forecasted 1994 run of 700,000 fish is for the Alitak Bay District only. We assume that fishing time and intensity on the west side of Kodiak Island will be about the same as occurred in 1993. If this occurs, the Alitak Bay District catch should be about 525,000 sockeye salmon of Frazer Lake origin.

In the Alitak Bay District, the Frazer Lake run timing is from mid June to mid July; the peak is commonly in late June.

Our confidence in this forecast is fair.

Prepared by: Bruce Barrett, Patricia Nelson, and Ivan Vining
Commercial Fisheries Management and Development Division

Appendix E.6. Preseason forecast of the early sockeye salmon run to the Upper Station Lake system of the Kodiak Management Area, 1994.

	Forecast Estimate (thousands)	Forecast Range (thousands)
Total Run Estimate	120	90-170
Escapement Goal	50-75	
Harvest Estimate	60	

FORECAST METHODS:

The 1994 Upper Station run forecast is the pooled results of four separate regressions derived from the relationships of age specific returns for post 1978 brood years. The age 1.2 predication was determined from parent escapement; age 1.3 from age 1.2 siblings; age 2.2 from age 2.1 late-run siblings, and age 2.3 from age 2.1 siblings. The forecast range is the sum of the 80% confidence intervals for the four age class estimates.

FORECAST DISCUSSION:

In 1994, there should be about 40% more early run Upper Station fish in the Alitak Bay District than in 1993 providing similar fishing patterns occur on the west side of Kodiak Island and the forecast is accurate. The Altiak Bay District catch of early run Upper Station sockeye salmon should be about 60,000 fish.

The 1994 run is expected to be approximately 75% 2-ocean age fish and 25% 3-ocean age fish. Age 2.2 fish should be dominant, comprising about 70%.

Confidence in the forecast is only fair because the sibling relationships used were generally not strong.
In the Alitak Bay District, the early Upper Station sockeye run extends from early June to mid July; the peak is usually about mid June. Early run Upper Station sockeye salmon are a bycatch component of the targeted fishery on the Frazer Lake sockeye run.

Prepared by: Bruce Barrett, Patricia Nelson, and Ivan Vining
Commercial Fisheries Management and Development Division

Appendix E.7. Preseason forecast of the late sockeye salmon run to the Upper Station Lake system of the Kodiak Management Area, 1994.

	Forecast Estimate (thousands)	Forecast Range (thousands)
Total Run Estimate	425	300-550
Escapement Goal	150-200	
Harvest Estimate	250	

FORECAST METHODS:

The 1994 Upper Station late run forecast represents the sum of three age specific estimates from regressions equations developed from sibling and escapement-return relationships for the post 1974 brood years and two age specific estimates derived from smolt abundance indices. Age 0.2 return was determined from brood year age 0. smolt numbers; age 0.3 from age 0.2 siblings; age 1.3 from age 1.2 siblings; and age 2.2 from age 1.2 siblings. Age 1.2 return was estimated from brood year age 1. smolt numbers. The forecast range is the approximate 80% confidence interval of the estimate.

FORECAST DISCUSSION:

The 1994 late sockeye run to Upper Station Lakes should be slightly better (10%) than the 1993 run.
Two-ocean age fish are expected to comprise 70% of the run, 3-ocean age fish 30%.

Most (50%) of the 1994 Upper Station late run should be age 2.2 fish (5-yr. olds) produced from the 1989 brood year. The age 0.* component should comprise about 30% of the run, which is about average.

The 1994 Upper Station late run forecast is for the Alitak Bay District only; if the fishing patterns and intensity is about the same on the west side of Kodiak Island as in 1993, the expected 1994 harvest in the Alitak Bay District should be about 250,000 late Upper Station fish.

In the Alitak Bay District, the late Upper Station sockeye run extends from mid July to early September and peaks in mid August.

Our confidence in this forecast is fair.

Prepared by: Bruce Barrett, Patricia Nelson, and Ivan Vining
Commercial Fisheries Management and Development Division

Appendix E.8. Preseason forecast of the early sockeye salmon run to the Karluk Lake system of the Kodiak Management Area, 1994.

	Forecast Estimate (thousands)	Forecast Range (thousands)
Total Run Estimate	600	500-700
Escapement Goal	150-250	
Harvest Estimate	400	

FORECAST METHODS:

The 1994 Karluk early run forecast represents the sum of four age class estimates mainly determined by using sibling relationships. Age 2.2 fish were estimated from a regression of escapement to age 2.2 returns. The age 2.3 estimate was determined using the sibling relationship of age 1.2 returns to age 2.3 fish returns. The age 3.2 estimate was developed from an age 3.1 fish to 3.2 fish sibling relationship, while the age 3.3 estimate was based on a similar age 3.2 to age 3.3 fish relationship. The forecast range is the sum of the 80% confidence intervals for the age class estimates.

FORECAST DISCUSSION:

This is the second year that a formal forecast has been prepared for the early Karluk sockeye run. All of the age specific estimates were determined using 1985-93 run numbers by age that were assigned to the respective parent year escapements to create a brood table. While the data set is limited, the sibling relationships are statistically quite strong.

Overall, our confidence in the 1994 Karluk early run forecast estimate is good.

If the 1994 run materializes as forecasted, there should be about the same number of fish available for harvest as occurred in 1993. It is estimated that the 1994 run should provide a commercial harvest of 400,000 early run Karluk fish from Sturgeon Head north to Steep Cape.

The 1994 early Karluk sockeye run is expected to be about 55% 2-ocean age fish and 45% 3-ocean age fish.

Prepared By: Bruce M. Barrett, Patricia Nelson, and Ivan Vining
Commercial Fisheries Management and Development Division
Kodiak

Appendix E.9. Preseason forecast of the late sockeye salmon run to the Karluk Lake system of the Kodiak Management Area, 1994.

	Forecast Estimate (thousands)	Forecast Range (thousands)
Total Run Estimate	650	400-900
Escapement Goal	400-550	
Harvest Estimate	175	

FORECAST METHODS:

The 1994 Karluk late run forecast represents the sum of four age class estimates determined by using sibling relationships. Age 2.2 return was estimated from age 1.2 siblings, while ages 2.3, 3.2, and 3.3 returns were calculated using age 1.3 siblings.

The forecast range is the sum of the 80% confidence intervals for the age class estimates.

FORECAST DISCUSSION:

This is the second year that a formal forecast has been prepared for the Karluk late run. All of the age specific estimates were determined using 1985-93 run numbers by age that were assigned to the respective parent year escapements to create a brood table.

If the late run forecast is correct, there should be about the same number of fish available for harvest as in 1993. It is estimated that the 1994 run will provide a commercial harvest of 175,000 fish from Sturgeon Head north to Steep Cape.

The 1994 late run is expected to be about 70% 2-ocean age fish and 30% 3-ocean age fish. The dominant run component should be age 2.2 fish, comprising about 50% of the run.

Our confidence in this forecast is fair.

Prepared By: Bruce M. Barrett, Patricia Nelson, and Ivan Vining
Commercial Fisheries Management and Development Division
Kodiak

Appendix E.10. Preseason forecast of the sockeye salmon run to the Chignik River system of the Chignik Management Area, 1994.

Early Run (Black Lake)	Point Estimate	80% Prediction Forecast Range
Total Run:	1,800,000	1,200,000 to 2,400,000
Escapement:	400,000	
Catch:	1,400,000	
Late Run (Chignik Lake)		
Total Run:	1,300,000	940,000 to 1,600,000
Escapement:	250,000	
Catch:	1,050,000	
Total Chignik Run		
Total Run:	3,100,000	2,140,000 to 4,000,000
Escapement:	650,000	
Catch:	2,450,000	

FORECAST METHODS:

The estimated run to Black Lake is the sum of a regression estimate for two major age classes (ages 1.3 and 2.3) and a 10-year average for minor age classes, while the Chignik Lake run is based on recruit per spawner relationships. The Black Lake forecast is based on the historical relationship between the number and length of prior year age 1.2 fish, and the parent year escapement number. All other age classes are predicted from a 10-year average. The Chignik Lake forecast accuracy has historically been quite variable, and developing a model such as the one used for the Black Lake run has been unsuccessful. The Chignik Lake run forecast for 1994 was derived using average return per spawner relationships for each year class for years post 1969.

DISCUSSION OF THE 1994 FORECAST:

Early Run

The 1994 Black Lake sockeye salmon run is expected to be 1.8 million fish. This is approximately 0.1 million fish more than the 1984-92 average run of 1.7 million fish and 200,000 fish more than the 1993 forecast. This above average run is expected because in 1993 age 1.2 fish were about 50% more abundant than the 10-year average.

-Continued-

Late Run

The estimated 1994 Chignik Lake sockeye run is 1.3 million fish, .2 million more than the 1983-92 average of 1.1 million fish. The Chignik Lake run forecast accuracy has historically been quite poor when compared to actual returns. The major returning year classes are primarily age 5 and 6 year olds. For the 5-year olds, the 1989 parent year escapement of 557,171 is 300,000 over the optimum of 250,000. Overescapements of this magnitude have historically resulted in low recruit per spawner relationships (<1). For the 6-year olds, the 1988 parent year escapement of 255,180 was close to the desired goal. Returns at this level have been variable; the post 1969 average of 2.8 per spawner.

Prepared By:

Alan Quimby
Area Management Biologist
Chignik Area ADF&G

David Owen
Assistant Area Biologist
Chignik Area ADF&G

Appendix F.1. Summary of emergency orders issued in the Kodiak Management Area, 1994.

E.O.#	Issued	Effective	Action Taken
1	11:45am 6/7/94	12:00 noon 6/10/94	Opening for 33 hours, 12:00 noon 6/9 to 9:00pm 6/10 - Alitak Bay District - NW Kodiak District except for the Kizhuyak Section
2	10:30am 6/12/94	12:00 noon 6/14/94	Opening for 33 hours, 12:00 noon 6/14 to 9:00pm 6/15 - Afognak District except for Perenosa, Kitoi, and Raspberry Strait Sections - NW Kodiak District except for the Kizhuyak Section - Eastside Kodiak District - Big River and Outer Kukak Section
3	11:00am 6/15/94	9:00pm 6/15/94	Extension for 72 hours, 9:00pm 6/15 to 9:00pm 6/18 - Southeast and Southwest Afognak Sections - Northwest Kodiak District except Kizhuyak Section Opening for 57 hours, 12:00 noon 6/16 to 9:00pm 6/18 - Inner and Outer Karluk Sections Opening for 33 hours, 12:00 noon 6/17 to 9:00pm 6/18 - Alitak Bay District
4	1:45pm 6/17/94	9:00pm 6/18/94	Extension for 72 hours, 9:00pm 6/18 to 9:00pm 6/21 - Southeast and Southwest Afognak Sections - NW Kodiak District except Kizhuyak Section - Inner and Outer Karluk Sections - Alitak Bay District
5	2:45pm 6/20/94	12:00 noon 6/21/94	Opening for 33 hours, 12:00 noon 6/21 to 9:00pm 6/22 - Eastside Kodiak District - Big River and Outer Kukak Sections - Duck Bay, Izhut Bay, and NW Afognak Sections

-Continued-

E.O.#	Issued	Effective	Action Taken
5 (Cont.)			Extension for 24 hours, 9:00pm 6/21 to 9:00pm 6/22 - Alitak Bay District Extension for 72 hours 9:00pm 6/21 to 9:00pm 6/24 - Southeast and Southwest Afognak Sections - NW Kodiak District except Kizhuyak Sections - Inner and Outer Karluk Sections
6	3:30pm 6/22/94	12:01am 6/24/94	Opening for 48 hours, 12:01am 6/24 to 12:01am 6/26 - Cape Igvak Section Extension until further notice (through 9:00pm 7/8) - Southeast and Southwest Afognak Sections - NW Kodiak District except Kizhuyak Section - Inner and Outer Karluk Sections
7	10:45am 6/25/94	12:01am 6/26/94	Extension for 48 hours, 12:01am 6/26 to 12:01am 6/28 - Cape Igvak Section Opening for 57 hours, 12:00 noon 6/26 to 9:00pm 6/28 - Alitak Bay District
8	12:00 noon 6/28/94	9:00pm 6/28/94	Extension for 48 hours, 9:00pm 6/28 to 9:00pm 6/30 - Alitak Bay District
9	10:30am 6/30/94	9:00pm 6/30/94	Extension for 48 hours, 9:00pm 6/30 to 9:00pm 7/2 - Alitak Bay District

-Continued-

E.O.#	Issued	Effective	Action Taken
10	10:30am 7/3/94	12:00 noon 7/6/94	Opening for 57 hours, 12:00 noon 7/6 to 9:00pm 7/8 - Remainder of Afognak District except for Perenosa and Kitoi Bay Sections - Northeast Kodiak District except for Buskin River Section - Eastside Kodiak District - Alitak Bay District - Mainland District except for the Cape Igvak and Wide Bay Sections
11	4:00pm 7/7/94	9:00pm 7/8/94	Extension for 72 hours, 9:00pm 7/8 to 9:00pm 7/11 - Inner Karluk Section - Alitak Bay District
12	2:00pm 7/8/94	12:01am 7/11/94	Opening for 48 hours, 12:01am 7/11 to 12:01am 7/13 - Cape Igvak Section
13	10:30am 7/10/94	9:00pm 7/11/94	Extension for 96 hours, 9:00pm 7/11 to 9:00pm 7/15 - Inner Karluk Section - Alitak Bay District Opening for 81 hours, 12:00 noon 7/12 to 9:00pm 7/15 - Afognak District except for the Perenosa and Kitoi Bay Sections - Northwest Kodiak District - Outer Karluk Section - Northeast Kodiak District - Eastside Kodiak District Opening for 57 hours, 12:00 noon 7/12 to 9:00pm 7/14 - Mainland District except for Cape Igvak and Wide Bay Sections
14	1:00pm 7/12/94	12:01am 7/13/94	Extension for 48 hours, 12:01am 7/13 to 12:01am 7/15 - Cape Igvak Section

-Continued-

E.O.#	Issued	Effective	Action Taken
15	8:00am 7/14/94	11:00am 7/14/94	Closure 11:00am 7/14 - Closure of the Seaward Zone of the North Shelikof Unit (Dakavak Bay, Outer Kukak, Hallo Bay, Big River, Shuyak Island, and Northwest Afognak Sections)
16	12:00 noon 7/14/94	12:01am 7/15/94	Extension for 48 hours, 12:01am 7/15 to 12:01am 7/17 - Cape Igvak Section
17	10:30am 7/16/94	12:01am 7/17/94	Extension for 48 hours, 12:01am 7/17 to 12:01am 7/19 - Cape Igvak Section
18	10:45am 7/17/94	12:01am 7/19/94	Extension for 24 hours, 12:01am 7/19 to 12:01am 7/20 - Cape Igvak Section Opening for 81 hours, 12:00 noon 7/19 to 9:00pm 7/22 - Afognak District except for Kitoi Bay Section and seaward zones of the Northwest Afognak and Shuyak Island Sections. - Northwest Kodiak District - Outer Karluk Section - Northeast Kodiak District - Eastside Kodiak District - *Alitak Bay* District Opening for 57 hours, 12:00 noon 7/19 to 9:00pm 7/21 - Mainland District except for the Wide Bay Section and the seaward zones of the Dakavak Bay, Outer Kukak, Hallo Bay, and Big River Sections
19	11:00am 7/19/94	12:01am 7/20/94	Extension for 48 hours, 12:01am 7/20 to 12:01am 7/22 - Cape Igvak Section

-Continued-

E.O.#	Issued	Effective	Action Taken
19 (Cont.)			Opening for 33 hours, 12:00 noon 7/21 to 9:00pm 7/22 - Halibut Bay Section - Inner and Outer Ayakulik Sections north of 57°13'09" north latitude
20	2:30pm 7/19/94	12:00 noon 7/20/94	Opening for 9 hours, 12:00 noon 7/20 to 9:00pm 7/20 - Dog Salmon Flats Section west of 154° west longitude and south of ADF&G markers in stream mouths
21	2:45pm 7/21/94	12:01am 7/22/94	Extension for 72 hours, 12:01am 7/22 to 12:01am 7/25 - Cape Igvak Section
22	9:00am 7/24/94	12:01am 7/25/94	Extension for 93 hours, 12:01am 7/25 to 9:00pm 7/28 - Cape Igvak Section Opening for 81 hours, 12:00 noon 7/26 to 9:00pm 7/29 - Afognak District except for Kitoi Section - Northwest Kodiak District - Southwest Kodiak District except Inner and Outer Ayakulik Sections south of 57°13'09" north latitude - Northeast Kodiak District - Eastside Kodiak District - Alitak Bay District Opening for 57 hours, 12:00 noon 7/26 to 9:00pm 7/28 - Mainland District except for Cape Igvak Section
23	10:30am 7/27/94	12:00 noon 7/28/94	Opening for 33 hours, 12:00 noon 7/28 to 9:00pm 7/29 - Inner and Outer Ayakulik Sections south of 57°13'09" north latitude (by flare)

-Continued-

E.O.#	Issued	Effective	Action Taken
24	4:30pm 7/28/94	12:00 noon 7/29/94	Opening for 9 hours, 12:00 noon 7/29 to 9:00pm 7/29 - Kitoi Bay Section east of markers at stream mouths (by flare)
25	9:30am 7/31/94	12:00 noon 8/2/94	Opening for 81 hours, 12:00 noon 8/2 to 9:00pm 8/5 - Afognak District (including Kitoi Bay Section, by flare) - Northwest Kodiak District - Northeast Kodiak District - Eastside Kodiak District - Humpy/Deadman Section east of line from Middle Reef to Cape Hepburn - Dakavak Bay, Katmai, and Alinchak Bay Sections
26	12:30pm 8/3/94	12:00 noon 8/4/94	Opening for 4 hours, 12:00 noon 8/4 to 4:00pm 8/4 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude Opening for 33 hours, 12:00 noon 8/4 to 9:00pm 8/5 - Outer Karluk Section - Cape Alitak, Moser/Olga Bay, and remainder of Humpy/Deadman Sections
27	4:00pm 8/4/94	12:00 noon 8/5/94	Opening for 33 hours, 12:00 noon 8/5 to 9:00pm 8/6 - Halibut Bay Section, and Inner and Outer Ayakulik Sections north of 57°13'09" north latitude Extension for 24 hours, 9:00pm 8/5 5o 9:00pm 8/6 - Afognak District except for Kitoi Bay, Duck Bay, and Izhut Bay Sections - Northwest Kodiak District - Outer Karluk Section - Northeast Kodiak District - Eastside Kodiak District - Alitak Bay District

-Continued-

E.O.#	Issued	Effective	Action Taken
28	5:15pm 8/8/94	12:00 noon 8/10/94	Opening for 33 hours, 12:00 noon 8/10 to 9:00pm 8/11 - Duck Bay and Izhut Bay Sections, and Kitoi Bay Section east of the jaws Opening for 6 hours per day for 3 days, 2:00pm to 8:pm 8/10, 8/11, and 8/12 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude
29	5:00pm 8/11/94	9:00pm 8/11/94	Extension for 72 hours, 9:00pm 8/11 to 9:00pm 8/14 - Duck Bay and Izhut Bay Sections Opening for 4 hours per day for 2 days, 5:00pm to 9:00pm 8/13 and 8/14 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude
30	10:30am 8/14/95	8:00am 8/15/94	Opening for 4 hours per day for 2 days, 8:00am to 12:00 noon 8/15 and 8/16 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude Opening for 30 hours, 12:00 noon 8/16 to 6:00pm 8/17 - Alitak Bay District Opening for 54 hours, 12 noon 8/16 to 6:00pm 8/18 - Afognak District except for Kitoi Bay and Perenosa Bay Sections - Northwest Kodiak District - Northeast Kodiak District - Eastside Kodiak District except for Inner Ugak Section and Sitkalidak Section inside Kiliuda Bay from Left Cape to Pillar Point

-Continued-

E.O.#	Issued	Effective	Action Taken
31	10:00am 8/16/94	11:00am 8/17/94	Opening for 4 hours per day for 2 days, 11:00am to 3:00pm 8/17 and 8/18 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude Extension for 24 hours, 6:00pm 8/17 to 6:00pm 8/18 - Alitak Bay District
32	10:00am 8/18/94	6:00pm 8/18/94	Extension for 120 hours, 6:00pm 8/18 to 6:00pm 8/23 - Duck Bay and Izhut Bay Sections Opening for 102 hours, 12:00 noon 8/19 to 6:00pm 8/23 - Kitoi Bay Section east of the jaws Opening for 2 hours per day for 2 days, 1:00pm to 3:00pm 8/19 and 8/20 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude
33	11:00am 8/20/94	2:00pm 8/21/94	Opening for 2 hours per day for 2 days, 2:00pm to 4:00pm 8/21 and 8/22 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude Opening for 54 hours, 12:00 noon 8/23 to 6:00pm 8/25 - Northwest Kodiak District - Southwest Afognak Section - Alitak Bay District - Katmai and Cape Igvak Sections, and Big River Section north of 58°34'30" north latitude Extension for 48 hours, 6:00pm 8/23 to 6:00pm 8/25 - Duck Bay and Izhut Bay Sections, and Kitoi Bay Section east of the jaws

-Continued-

E.O.#	Issued	Effective	Action Taken
34	2:30pm 8/22/94	3:00pm 8/23/94	Opening for 2 hours per day for 2 days, 3:00pm to 5:00pm, 8/23 and 8/24 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude
35	11:00am 8/23/94	12:00 noon 8/24/94	Opening for 30 hours, 12:00 noon 8/24 to 6:00pm 8/25 - Outer Upper Station Section Opening for 6 hours, 1:00pm to 7:00pm 8/24 - Inner Upper Station Section
36	2:30pm 8/24/94	7:00pm 8/24/94	Extension for 48 hours, 6:00pm 8/25 to 6:00pm 8/27 - Northwest Kodiak District - Southwest Afognak Section - Alitak Bay Section - Duck Bay and Izhut Bay Sections, and Kitoi Bay Section east of the jaws Extension for 71 hours, 7:00pm 8/24 to 6:00pm 8/27 - Inner Upper Station Section Extension for 48 hours, 6:00pm 8/25 to 6:00pm 8/27 - Outer Upper Station Section Opening for 54 hours, 12:00 noon 8/25 to 6:00pm 8/27 - Halibut Bay Section, and Inner and Outer Ayakulik Sections north of 57°13'09" north latitude Opening for 2 hours per day for 3 days, 4:00pm to 6:00pm, 8/25, 8/26, and 8/27 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude

-Continued-

E.O.#	Issued	Effective	Action Taken
37	12:00 noon 8/26/94	6:00pm 8/27/94	Extension for 72 hours, 6:00pm 8/27 to 6:00pm 8/30 - Alitak Bay District - Duck Bay and Izhut Bay Sections, and Kitoi Bay Section east of jaws Opening for 2 hours per day for 2 days, 9:00am to 11:00am, 8/28 and 8/29 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude
38	12:00 noon 9/29/94	6:00pm 8/30/94	Extension for 72 hours, 6:00pm 8/30 to 6:00pm 9/2 - Alitak Bay District - Duck Bay and Izhut Bay Sections, and Kitoi Bay Section east of jaws Opening for 2 hours per day for 4 days, 9:00am to 11:00am 8/30 and 8/31, and 11:00am to 1:00pm 9/1 and 9/2 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude Opening for 54 hours, 12:00 noon 8/31 to 6:00pm 9/2 - Northwest Kodiak District - Southwest Afognak Section - Halibut Bay Section, and the Inner and Outer Ayakulik Sections north of 57°13'09" north latitude - Cape Igvak and Katmai Sections, and Big River Section north of 58°34'30" north latitude
39	3:00pm 9/1/94	6:00pm 9/2/94	Extension 6:00pm 9/2 until further notice - Alitak Bay District - Inner and Outer Ayakulik Sections north of 57°13'09" north latitude - Duck Bay and Izhut Bay Sections, and Kitoi Bay Section east of the jaws Opening 12:00 noon 9/3 until further notice - Inner and Outer Ayakulik Sections south of 57°13'09" north latitude

-Continued-

E.O.#	Issued	Effective	Action Taken
39 (Cont.)			Opening for 30 hours, 12:00 noon 9/3 to 6:00pm 9/4 - Perenosa Bay Section, and Northwest Afognak Section in Foul Bay east of 152°47'12" west longitude Opening for 2 hours per day for 4 days, 1:00pm to 3:00pm 9/3, 9/4, 9/5, and 9/6 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude
40	9:30am 9/5/94	12:00 noon 9/7/94	Opening 12:00 noon 9/7 until further notice - Katmai, Alinchak Bay, Cape Igvak, and Wide Bay Sections
41	2:00pm 9/6/94	4:00pm 9/7/94	Opening for 2 hours per day for 3 days, 4:00pm to 6:00pm 9/7, 9/8, and 9/9 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude
42	2:00pm 9/8/94	12:00 noon 9/10/94	Opening for 30 hours, 12:00 noon 9/10 to 6:00pm 9/11 - Kizhuyak Section in Settler Cove west of 152°50'48" west longitude Opening for 2 hours per day for 3 days, 4:00pm to 6:00pm 9/10, 9/11, and 9/12 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude
43	11:00am 9/12/94	10:00am 9/13/94	Opening for 2 hours per day for 4 days, 10:00am to 12:00 noon 9/13, 9/14, 9/15, and 9/16 - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude Opening 12:00 noon 9/14 until further notice - Dakavak Bay, Hallo Bay, and Big River Sections

-Continued-

E.O.#	Issued	Effective	Action Taken
44	2:30pm 9/16/94	10:00am 9/17/94	Opening for 3 hours per day, 10:00am to 1:00pm 9/17 until further notice - Spiridon Bay Special Harvest Area east of 153°40' west longitude and north of 57°38'40" north latitude Opening for 102 hours, 12:00 noon 9/18 to 6:00pm 9/22 - Remainder of Afognak District except Raspberry Strait Section - Northwest Kodiak District - Northeast Kodiak District - Eastside Kodiak District except Outer Ugak Bay Section south of latitude of Gull Point
45	11:30am 9/21/94	6:00pm 9/22/94	Extension 6:00pm 9/22 until further notice - Afognak District except Raspberry Strait Section - Northwest Kodiak District - Northeast Kodiak District - Eastside Kodiak District except Outer Ugak Bay Section south of latitude of Gull Point Opening 12:00 noon 9/23 until further notice - Halibut Bay, Sturgeon River, Inner Karluk and Outer Karluk Sections

Appendix G.1. Narrative account of the Cape Igvak sockeye salmon fishery in the Kodiak Management Area, 1994.

Introduction

Beginning in 1964 a purse seine fishery developed along the capes in the Cape Igvak Section of the Mainland District (Appendix A.8). Tagging studies and stock identification studies using average weight and age composition conducted in 1968 and 1969 concluded that up to 80 percent of the sockeye salmon harvested in the Cape Igvak Section were of Chignik origin (Simon et al. 1969). The issue of interception of Chignik bound sockeye salmon in the Cape Igvak Section came before the Board of Fisheries several times over the next ten years, and management of this section was modified many times (Appendix G.2). From 1974 through 1978 this area was managed for "day for day" equal fishing time with Chignik. In 1978 a specific management plan was adopted by the BOF (Appendix C.1. page 6, and Appendix G.3.).

The Cape Igvak Salmon Management Plan covers the time period from June 5 through July 25 for fishing activity in the Cape Igvak Section of the Mainland District. This management plan allows the KMA fleet to harvest up to 15 % of the Chignik sockeye salmon harvest, and stipulates strict allocative and biological requirements which must be met prior to any fisheries occurring (Appendix G.3.). Since this plan was adopted, the catch of Chignik bound sockeye salmon from the Cape Igvak Section has ranged from 0.0 to 15.9 % of the total Chignik sockeye salmon harvest (Appendix G.4.). Only 3 times (1983, 1987 and 1993) has the harvest met the 15% allocation level (Appendix G.5.).

There are two distinct runs of sockeye salmon to the Chignik Lakes System. First run sockeye, bound for Black Lake, predominate in June, and the second run, bound for Chignik Lake, predominate in July and early August.

1994 Cape Igvak Salmon Fishery

First Run

In 1994, the preseason forecast called for a return of approximately 1.8 million early run (Black Lake) sockeye (range 1.2 to 2.4 million). The early run escapement goal is 400,000 sockeye salmon, by June 30. This left a forecasted harvestable surplus of 1.4 million early run sockeye salmon.

Initial sockeye salmon escapements into the Chignik River system were poor. Through June 12 the escapement had only reached 36,000 sockeye, below the desired interim goal of 40,000. Results from test fisheries held in Chignik Lagoon indicated that few fish were entering the lagoon, and only 25,000 sockeye were present in the lagoon. Escapements began to pick up by June 15. From June 15 through 19 escapements exceeded the desired interim goals, but test

-Continued-

fishery results continued to indicate very little buildup of fish in the lagoon. It was felt that the run might be weaker or later than expected.

On June 21 over 83,000 sockeye passed through the Chignik weir, and a fishery was announced for June 21, to curtail these large escapements. However, due to a dispute over the offered price for sockeye salmon, the Chignik fishers chose not to participate in this opening. Escapement through June 21 totaled over 360,000 sockeye, and hourly escapement rates indicated that the goal of 400,000 would be exceeded. The fishery in the Chignik Management Area was extended until further notice beginning on June 22. ADF&G regional and Chignik biologists determined that the early run sockeye return was of sufficient strength that at least 300,000 sockeye could be harvested by Chignik fishers through July 8, and 600,000 could be harvested by season end. In order to comply with the allocative requirements of the Cape Igvak Management Plan a two day fishing period was allowed for the Cape Igvak Section. This initial fishing period began at 12:01 AM on June 24, and was scheduled to remaine open until 12:01 AM June 26 (48 hrs).

Daily escapements remained high, with the early run escapement goal of 400,000 sockeye exceeded on June 22, and over 600,000 sockeye salmon through the weir by June 24. Chignik fishers remained on strike through June 24. A limited number of fish were harvested by Chignik permit holders prior to this date, to provide for a "strike fund". The escapement through the Chignik weir continued, and was much higher than desired. Fish excess to the projected escapements were counted as foregone harvest in order to calculate the Cape Igvak percentage (in compliance with 5 AAC 39.200(b), Application of Fishery Management Plans). Through June 24 an estimated 244,400 sockeye should have been harvested in the Chignik Area. Because of the large number of sockeye showing in Chignik the Cape Igvak fishery was extended an additional 2 days, until 12:01 A.M June 28.

Through June 28, 66 vessels harvested approximately 280,000 sockeye salmon. An estimated 80% of these sockeye, or 224,000, were considered Chignik bound salmon. Combined with the harvest in the Chignik Management Area, with escapement into the Chignik system, and with Chignik bound sockeye harvested in other areas[1], the Cape Igvak percentage was calculated at approximately 22.5%. In accordance with the Cape Igvak Management Plan, the Igvak fishery was then closed through July 9, pending evaluation of the late run of Chignik system sockeye salmon.

-Continued-

[1] Chignik bound sockeye salmon are also harvested in the Stepovak area of the Alaska Peninsula Management Area, in accordance with the regulatory Southeastern District Salmon Management Plan, 5 AAC 09.360.

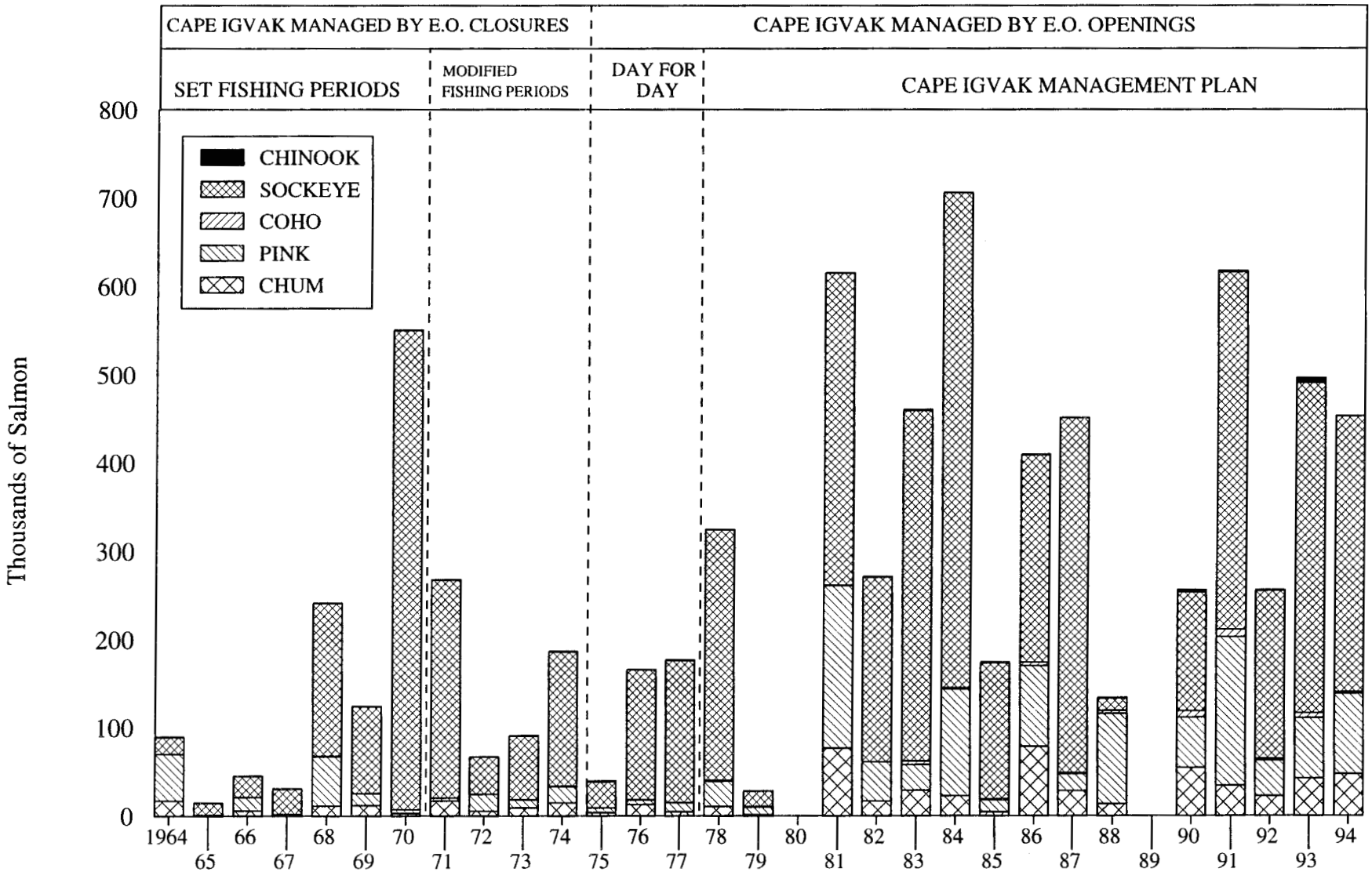
Second Run

In 1994, the preseason forecast for late run (Chignik Lake) sockeye salmon was approximately 1.3 million fish (range 0.9 to 1.6 million). The late run escapement goal is 250,000. This left a forecasted harvestable surplus of 1.05 million sockeye salmon.

By July 9 the Chignik Area and regional management biologists had determined that the second run of sockeye to Chignik was coming in at least as strong as forecasted. Total escapement to date was estimated at 677,000 sockeye, with the late run total at 58,000 sockeye salmon. The approximate harvest in the Chignik Area was over 1.2 million sockeye, which exceeded the minimum harvest requirement of 600,000 required by the management plan. The cumulative harvest of Chignik bound sockeye from all areas was approximately 1,536,000. The cumulative harvest from the Cape Igvak Section was approximately 14% of the total Chignik sockeye catch to date.

Additional fishing was allowed in the Cape Igvak Section beginning at 12:01 AM on July 11. Catches and escapement in Chignik remained high through July 13, then catches dropped off rapidly (particularly in the "outside" or cape fishing areas) . The Chignik Management Area was closed to fishing to allow sufficient late run escapement through the weir. The Cape Igvak catch at that time represented only about 12.4 % of the total Chignik bound sockeye catch, so further extensions of fishing were allowed in the Cape Igvak Section. Fishing was allowed in Chignik from July 19 to 21, closed for one day then resumed July 23. Poor weather limited the ability of KMA fishers to work in the Cape Igvak Section, and the Igvak precentage remained at near 12.5 %. Further extensions of fishing were allowed in the Cape Igvak Section.

The Cape Igvak fishery was extended a total of 7 times, continuing through July 25, the end of the time period that the Cape Igvak Management Plan is in effect. Through July 25, one hundred seventeen (117) KMA purse seine permit holders participated in harvesting 312,787 sockeye, 1,475 coho, 90,946 pink, 47,627 chum, and 695 chinook salmon (Appendix G.6. and Appendix P.). The estimated percent harvest of Chignik bound sockeye from the Cape Igvak Section was 12.30 percent (Appendix G.4.).

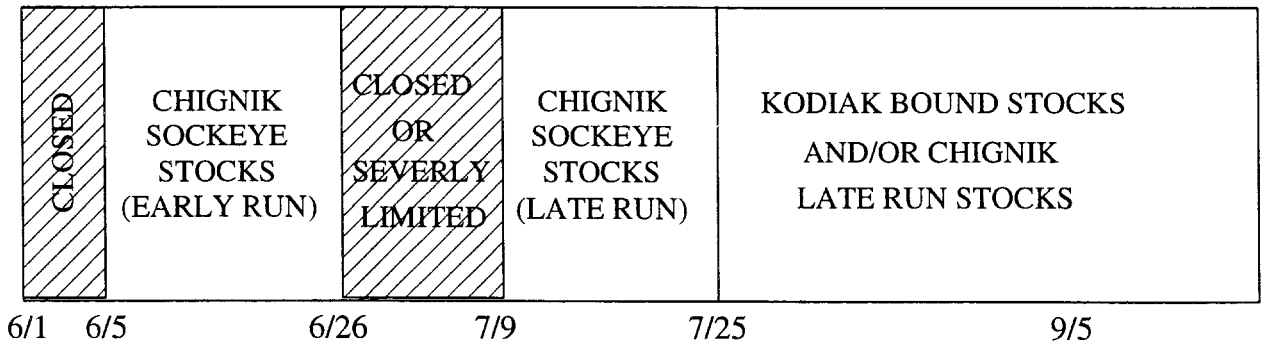


Appendix G.2. Historical commercial salmon harvest by species, and the management strategies used, in the Cape Igvak and Wide Bay Sections of the Kodiak Management Area, June 1 - July 25, 1964 - 1994.

BIOLOGICAL AND ALLOCATIVE CRITERIA FOR MANAGING THE CAPE IGVAK FISHERY ON CHIGNIK BOUND SOCKEYE

BIOLOGICAL REQUIREMENTS			ALLOCATIVE REQUIREMENTS		
REGULATION 5AAC 18.360	ESCAPEMENT NEEDS CHIGNIK (EARLY RUN)	CHIGNIK (LATE RUN)	REGULATION 5AAC 18.360	CHIGNIK MINIMUM HARVEST	IGVAK %
(a) (b) (c)	THROUGH 6/30 350,000-400,000	-	(a)	EXPECTATIONS OF LESS THAN 600,000	CLOSED
-	-	-	(b)	EXPECTATIONS OF 600,000 ARE IN DOUBT	CLOSED
(a) (b) (c)	-	THROUGH 7/30 195,000-200,000	(c)	EXPECTATIONS OF 600,000 OCCUR	OPEN TO ACHEIVE 15%
-	-	-	(d)	CHIGNIK SALMON % INTERCEPTION CALCULATIONS	80% OF CATCH AT IGVAK ARE CHIGNIK SOCKEYE
-	-	-	(e)	ALLOCATION PERIOD 600,000	6/5 - 7/25 % NOT APPLICABLE
(f)	FROM JUNE 26 - JULY 9 CAPE IGVAK SECTION CLOSED OR SEVERLY LIMITED UNTIL CHIGNIK LAKE RUN EVALUATED		-	-	-
-	-	-	(g)	-	ONE DAY ADVANCE NOTICE
	400,000	250,000		600,000 MINIMUM	15 %

MANAGEMENT CHRONOLOGY FOR CHIGNIK BOUND SOCKEYE AND KODIAK SALMON



Appendix G.3. Biological and allocative criteria and the management chronology of the Cape Igvak Management Plan for the Kodiak Management Area, 1994.

Appendix G.4. Harvest of Chignik bound sockeye salmon in the Chignik, Cape Igvak, and Southeast District Mainland Areas from 1964-1994.

Year	Chignik Area Catch	Chignik Area Percent	Cape Igvak[a] Catch	Cape Igvak[a] Percent	Southeast District Mainland Area[a] Catch	Southeast District Mainland Area[a] Percent	Total
1964[b]	556,890	90.57	14,980	2.44	43,021	7.00	614,891
1965	599,553	89.94	11,021	1.65	56,020	8.40	666,594
1966	219,794	87.99	18,003	7.21	12,011	4.81	249,808
1967	462,000	91.48	23,014	4.56	20,021	3.96	505,035
1968	977,382	82.53	135,951	11.48	70,959	5.99	1,184,292
1969	394,135	78.96	97,982	19.63	7,013	1.41	499,130
1970[c]	1,325,734	2.51	434,394	23.76	68,181	3.73	1,828,309
1971	1,016,136	80.33	197,614	15.62	51,272	4.05	1,265,022
1972	378,218	87.99	33,865	7.88	17,752	4.13	429,815
1964-72 catch and percentage figures are total for the entire season. Catch figures and percentages after 1972 are only through July 25.							
1973[d]	769,258	89.01	57,348	6.64	37,613	4.35	864,219
1974	530,278	73.97	122,071	17.03	64,564	9.01	716,913
1975	115,984	81.78	23,635	16.67	2,205	1.55	141,824
1976	792,024	83.08	117,926	12.37	43,356	4.55	953,306
1977	1,547,285	90.61	128,852	7.55	31,498	1.84	1,707,635
1978[e,f]	1,454,389	85.38	227,014	13.33	21,952	1.29	1,703,355
1979[g]	794,504	91.98	13,950	1.61	55,352	6.41	863,806
1980	670,001	91.33	32	0.00	63,570	8.67	733,603
1981	1,606,300	79.88	282,727	14.06	121,870	6.06	2,010,897
1982	1,250,768	84.46	167,401	11.30	62,767	4.24	1,480,936
1983	1,450,832	72.68	318,048	15.93	227,392	11.39	1,996,272
1984	2,474,405	73.93	449,372	13.43	423,068	12.64	3,346,845
1985[h]	696,169	79.91	123,627	14.19	51,421	5.90	871,217
1986	1,456,729	82.64	188,017	10.67	118,006	6.69	1,762,752
1987	1,659,915	77.98	321,746	15.12	146,886	6.90	2,128,547
1988	678,912	95.70	11,218	1.58	19,320	2.72	709,450
1989	502,477	99.12	0	0.00	4,485	0.88	506,962
1990	1,211,097	83.67	107,706	7.44	128,599	8.88	1,447,402
1991[i]	1,966,986	80.48	324,329	13.27	152,714	6.25	2,444,029
1992[j]	1,066,732	81.25	152,358	11.60	93,845	7.15	1,312,935
1993	1,500,459	77.78	300,055	15.55	128,536	6.63	1,929,050
1994[k]	1,641,574	80.70	250,230	12.30	142,350	7.00	2,034,154

[a] The Cape Igvak and Southeast District Mainland figures represent 80% of the total sockeye catches for those areas,as it is estimated that roughly 80% of the sockeye caught in the Cape Igvak Section and Southeast District Mainland Area (excluding sockeye caught in the Northwest Stepovak Section, 1964-91, and Orzinski Bay, 1992) are destined for Chignik.

-Continued-

[b] The data from 1964 - 1972 are based on total yearly catches. Prior to 1973 Cape Igvak and Southeast District Mainland fisheries were set by regulation to weekly fishing periods, usually 5 days per week. Time modifications were implemented when poor escapements occurred at Chignik.

[c] Catches from 1972 to 1992 were updated using computerized historical fish ticket databases.

[d] During 1973 through 1977 all three fisheries were managed on a day by day basis.

[e] Beginning in 1978 the Cape Igvak Fishery Management Plan allocates up to 15 percent of the total catch of Chignik bound sockeye to Kodiak Management Area fishers.

[f] During 1978 seining prior to July 11 was disallowed in the Southeast District Mainland. The set gillnet fishery was allowed to fish 3 days per week through July 10, after which the fishery was managed on the basis of local stocks.

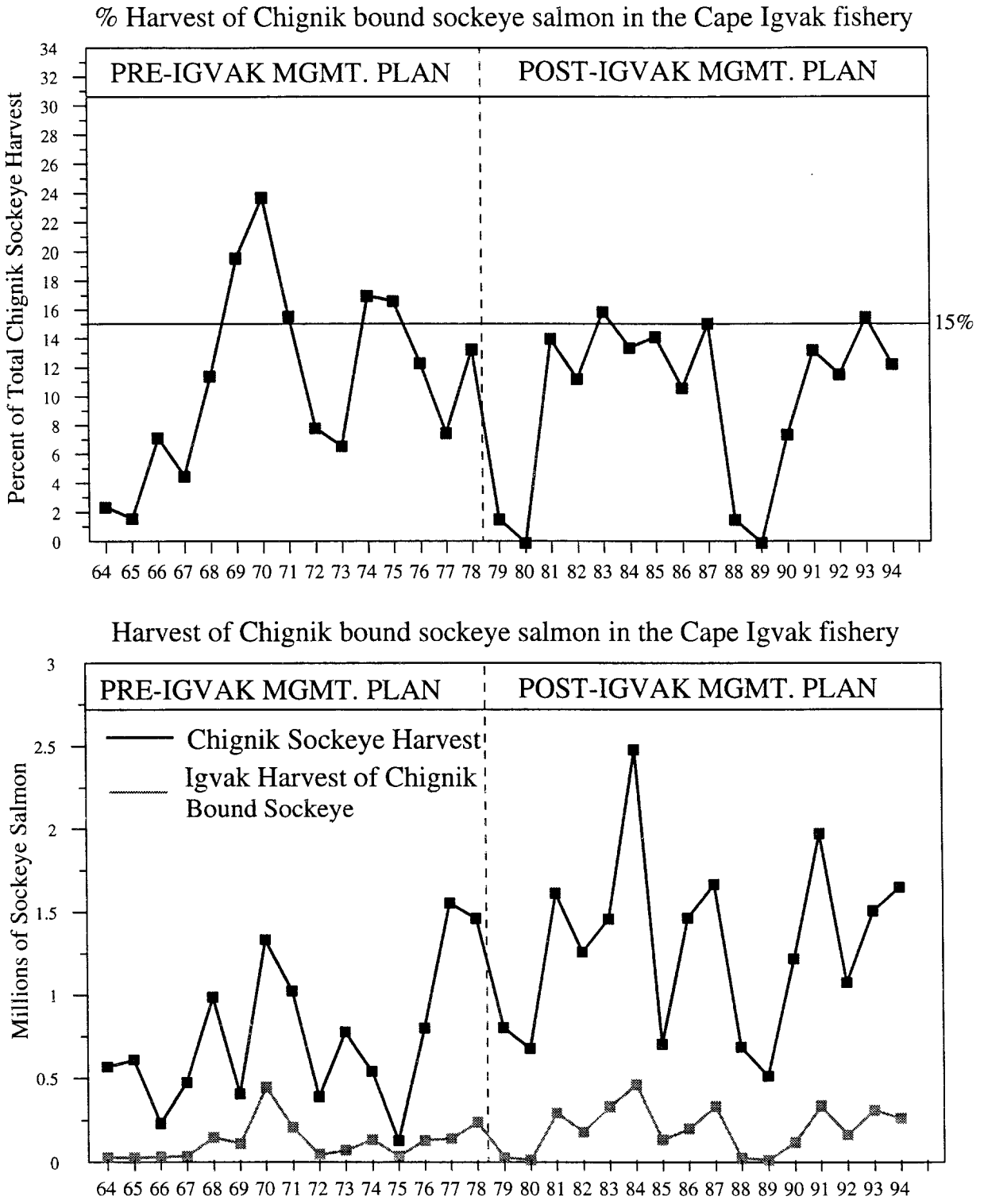
[g] During 1979 through 1984, and prior to July 11, fishing was allowed 5 days per week in the Southeast District Mainland with an estimated ceiling of 60,000 Chignik bound sockeye. If the Chignik Area sockeye catch was 1,000,000 or more before July 11 the 60,000 ceiling was to be dropped.

[h] Beginning in 1985 the Southeast District Mainland (excluding the Northwest Stepovak Section, 1964-91, and Orzinski Bay) was placed on an allocation of 6.2 percent of the total estimated Chignik sockeye catch through July 25. After July 25 the Southeast District Mainland is managed on a local stock basis. The allocation changed to 6.0 percent beginning in 1988. Seining is still not allowed prior to July 11.

[i] Includes overescapement of 278,305 sockeye counted past the weir during a Chignik Area seiners' boycott (June 23 - July 4).

[j] Review of Orzinski Lake historical and current escapement records led the Alaska Board of Fisheries to redefine the Southeast District Mainland Management Plan. Beginning in 1992 the Southeast District Mainland fishery (excluding Orzinkie Bay) was placed on an allocation of 7.0 percent of the total estimated Chignik sockeye catch through July 25.

[k] Includes overescapement of 208,921 sockeye counted past the weir during a Chignik Area seiners' strike (June 22 - June 25).



Appendix G.5. Impact of the Cape Igvak Management Plan on sockeye salmon harvests of the Kodiak Management Area, 1964 - 1994.

Appendix H.1 Narrative account of the Alitak Bay salmon fishery in the Kodiak Management Area, 1994.

Introduction

The salmon fisheries of the Alitak Bay area (Appendix A.4) are some of the oldest in the KMA. Sockeye salmon bound for Upper Station (Olga Lakes) were targeted as early as 1880, and the first cannery was built in this area in 1889. As competition increased, sockeye salmon stocks declined, and pink salmon made up a substantial portion of the harvest from this district after 1924. With Alaska statehood came greater control over the fishery to conserve and rebuild salmon stocks. Sockeye salmon were introduce into the previously barren Frazer Lake beginning in 1951 (this introduction was successful, and since the early 1970's has been self sustaining).

The Alitak Bay District fishery is unique in the KMA, for both gear groups can fish in this district, but are segregated in different sections. Set gillnets are allowed only in the inside waters of the Moser-Olga Bay Section, while seine gear is limited to the outer waters of the Cape Alitak and Humpy-Deadman Sections (Appendix A.4). Prior to the mid 1980's various strategies were applied in the Alitak Bay District to conserve and build the sockeye salmon stocks returning to the Frazer, Akalura, and Upper Station systems, while offering some protection to local pink, chum, and coho salmon stocks. In 1987 the existing harvest strategy was formalized into a regulatory management plan, and was adopted by the BOF (Appendix C, pages 6 and 7). This plan details the key species and targeted stocks which are managed for in each section of the district throughout the fishing season (Appendix H.2.). The stated intent of this plan is that salmon be harvested in the "traditional" fisheries located in the Cape Alitak, Humpy-Deadman, and Moser-Olga Bay Sections.

1994 Alitak Bay District Fisheries

"Early Run"

The Alitak Bay District Salmon Management Plan (5AAC 18.361.) states that commercial salmon fishing must be managed during the period June 9 through July 15 based on sockeye salmon returns to the Frazer system, and that the Cape Alitak, Moser-Olga Bay, and Humpy-Deadman Sections are managed simultaneously, with equivalent fishing time between these three sections, during that time period. In 1994, the preliminary forecast for the Frazer system was for a return of 500,000 to 900,000 sockeye salmon, with a harvestable surplus of approximately 525,000 Frazer lake system sockeye salmon projected (Appendix E.5).

-Continued-

The 1994 Kodiak Area Commercial Salmon Fishery Harvest Strategy (R.I.R. 4K94-21) indicated that the first fishing period for these sections would be a 33 hour commercial "test" fishery beginning on June 9. This is consistent with past practices; in the Alitak Bay District a commercial fishery has occurred annually on June 9 since 1984. The harvest during this fishery is used as an indicator of the actual return strength of the Frazer sockeye stock and the Upper Station early run sockeye stock (Appendix H.3.). Additionally, an ADF&G test fishery project is conducted in Chip Cove (near the Olga Narrows leading from Moser to Olga Bays). A 50 fathom gillnet is fished in a set location for a set length of time at certain tide stages each day. Results of this catch are extrapolated to predict the number of sockeye entering the upper bays, and to determine the stock of origin.

The June 9 fishery was poor, resulting in the second lowest sockeye salmon harvest in the past ten years. The ADF&G Chip Cove test fishery projected that few sockeye salmon had entered Olga Bay through June 10. Combined, this information indicated that the Frazer sockeye run could be later or weaker than the preseason projection. Through June 14 escapement into the Frazer Lake system (through the Dog Salmon weir) totaled only 5,100 sockeye salmon, below the expected level (5,421 to 7,227). However aerial surveys indicated that approximately 30,000 sockeye were present on the Dog Salmon Flats. Additionally the Chip Cove test fishery indicated a strong movement of sockeye salmon into Upper Olga Bay from June 14 to June 16. These factors indicated that the Frazer run was now coming in , and was at forecasted strength. A second 33 hour fishing period for the Alitak Bay District was allowed beginning at Noon June 17. By that date interim sockeye escapement goals for the Frazer Lake system (through the Dog Salmon weir) were being exceeded (Figure 19). The commercial salmon fishery was extended through June 21 (3 additional days). Escapement continued to exceed the desired goals, with 51,000 sockeye entering the system through June 19 (the interim sockeye escapement range was 19,000 to 25,000). A second extension of 24 hours, through June 22, was allowed to harvest sockeye salmon in excess of escapement requirements. At that time, escapement rates had slowed and few fish were present in the closed water sanctuary at the river mouth (the "flats"). The fishery was allowed to close so a pulse of escapement could bypass the fishing grounds.

Through June 24, escapement past the Dog Salmon weir totaled 59,638 sockeye salmon. The "expected" escapement is approximately 45,560 for this same date. The ADF&G crew estimated there were fish in the creek mouths, and on the Dog Salmon River Flats. The ADF&G Chip Cove test net catches had picked up with the commercial fishery closure, and indicated a surplus of sockeye were present in Olga Bay. Additional fishing time was necessary and a 57 hour fishing period was allowed, beginning at Noon on June 26. Preliminary catch figures from the first day and a half of this fishing period estimated that approximately 40,200 salmon were harvested. This is a good catch, and indicated that salmon continued to move into the district. Escapement continued to run above the upper interim goals. To insure that sockeye in excess of

-Continued-

escapement goals were taken in traditional areas the fishery was extended twice, for an additional 96 hours, through July 2.

The fishery was allowed to close July 2, and remained closed for 4 days. By July 2, escapement past the ADF&G Dog Salmon weir totaled 109,666 sockeye salmon, and the ADF&G crew estimated there could be an additional 10,000 sockeye in the mouth and in the lower parts of the river. The "expected" escapement for that date ranges from 92,900 to 123,800 sockeye salmon. During this closed period the ADF&G test fishery at Chip Cove indicated a strong movement of sockeye into Olga Bay. The commercial catch through July 2 was approximately 320,000 salmon, and age analysis of commercial catch samples indicated that the Frazer sockeye run was developing as forecasted. A 2 1/2 day fishing period began at Noon on July 6.

Escapement into the Dog Salmon River remained strong, reaching the desired early run goal of 160,000 sockeye on July 10. Commercial catches remained good, averaging over 25,000 sockeye per day. The fishery was extended twice, through July 15. By that date the escapement into the Frazer system was above the minimum escapement goal (Figure 19), and the harvest to date was approximately 535,000 salmon, split nearly evenly between the outer, seine only, sections (Cape Alitak and Humpy-Deadman; 295,000 sockeye) and the inner, gillnet only, areas (Moser-Olga Bay; 240,000 sockeye)(Appendix P).

"Late Run"

The Alitak Bay District Salmon Management Plan (5AAC 18.361.) dictates that during even numbered years (like 1994) from July 16 through August 9 commercial salmon fishing must be managed in the Cape Alitak and Moser-Olga Bay Sections based on the late run sockeye salmon return to the Upper Station (Olga Lakes) system, and that the Humpy-Deadman Section be managed based on the strength of salmon returns to systems within that section (Appendix H.2.). The forecasted return of late run Upper Station sockeye salmon was for 300,000 to 550,000 fish, with a harvestable surplus of approximately 250,000 sockeye salmon (Appendix E.7.). The forecasted pink salmon return for the Alitak Bay District was very high for an even year, at 2.5 million pink salmon, with a projected harvestable surplus of approximately 2 million (Appendix E.1.).

Escapement of sockeye into Olga Lakes (through the Upper Station weir) was slow from July 15 to 18, due to the extended fishing which had occurred in the Cape Alitak and Mose-Olga Bay Sections through July 15. The Alitak Bay District opened to fishing for 3 1/2 days beginning at noon July 19, in conjunction with the third fishing period of the "general" pink salmon fishery for the majority of the Kodiak Area (for information on the general pink salmon fishery see Table 16 and Appendix K). It was expected that during this fishing period both harvest data and early

-Continued-

escapement and build-up information would give an indication of run strength to the pink salmon systems in the district and the sockeye return to Upper Station.

Escapement of Frazer lake sockeye salmon into the Dog Salmon River jumped significantly after the July 15 commercial fishery closure. By July 18 the sockeye escapement totaled 176,500, above the upper interim goal of 172,000. Additionally there were an estimated 30,000 to 40,000 sockeye remaining on Dog Salmon Flats. The season total escapement goal was only 200,000, and it was felt that the goal might soon be exceeded. The Alitak Bay District Management Plan (5AAC 18.361) dictates that the Dog Salmon Flats Section, normally a closed water sanctuary, may be opened if the total desired escapement goal is expected to be exceeded, and then only if the opening does not jeopardize achievement of escapement goals for other salmon species. It was felt that it was early enough in the pink salmon return that a fishery would not jeopardize that species. So, to "clean up" Frazer sockeye in excess of escapement requirements a nine hour fishery was allowed in the Dog Salmon Flats Section west of 154° West longitude. The area east of 154° West long. was kept closed to afford extra protection for salmon returning to the nearby Horse Marine system (stream #257-402).

Catches in the Alitak Bay District were good for the 3 1/2 day period, July 19 to 22. Over 156,000 salmon were harvested, and the catch averaged over 80% sockeye salmon. Sockeye escapement to Upper Station totaled only 2,900 through July 21, well below the desired level of 7,460 to 9,950. The fishery was allowed to close, to permit a pulse of escapement to pass the fishery.

The Alitak Bay District opened for another 3 1/2 day period on July 26. This tied in with the fourth fishing period of the general pink salmon fishery. Pink salmon catches were strong in the Humpy-Deadman Section, and good numbers of sockeye were taken in the district. Escapements into Upper Staion were still lagging, with only 10,000 sockeye past the weir on July 29, below the goal of 24,250 to 32,340 for this date. The fishery was again allowed to close, to permit a pulse of escapement to pass the fishery.

On August 2 the fifth general pink salmon fishery began, with a 3 1/2 day fishing period for most of the Kodiak Management Area. For the Alitak Bay District, only a portion of the Humpy-Deadman Section was allowed to open. Sockeye escapement to Upper Station was at 12,400, still well below the desired level for that date (34,400 to 45,900). The northwest portion of the Humpy-Deadman Section, west of a line from Middle Reef to Cape Hepburn (which includes Deadman Bay) remained closed because of the need to protect Upper Station sockeye migrating into Moser-Olga Bay.

-Continued-

On August 3 sockeye salmon began showing in significant numbers at Upper Station weir. Over 9,300 passed the weir and a good build up was present in the bay near the stream mouth. It was felt that a short opening was warranted, so the Cape Alitak and Moser-Olga Bay Sections and the remainder of the Humpy-Deadman Section (west of 154° West longitude) opened to fishing for 33 hours, beginning Noon August 4. Pink Salmon catches were very strong in the Humpy-Deadman Section, with over 300,000 salmon taken by August 4. Salmon catches in the Cape Alitak and Moser-Olga Bay Section were also good, with over 50,000 salmon taken in the first 1/2 day of the opening (on August 4). An additional 24 hour extension of the current fishing period was allowed for all sections, through August 6. The Cape Alitak District then was allowed to close, to permit escapement to pass the fishery.

It was becoming apparent, through aerial survey escapement estimates and fishing reports from fishers and processors, that the overall pink salmon return to most Kodiak Management Area streams was weak. Escapements were fair for this date, but few fish were building in the bays. Further, because of low catches and escapements, there were doubts that the Upper Station late run sockeye return would meet the preseason projected strength. For these reasons the majority of the KMA, including the Alitak Bay District, remained closed during the following week, through August 16.

The Alitak Bay District Management Plan states that from August 10 to 25 the Cape Alitak and Moser-Olga Bay Sections are to be managed based on the late sockeye salmon returning to Upper Station and the pink salmon return to the Frazer system (Appendix H.2.). By August 14 escapements were improved. Large numbers of sockeye were present in the bay near the river mouth, and daily escapements were high, over 10,000 per day. Upper Station sockeye escapement had met the interim goal for the first time this season. Escapement of late run sockeye through the Upper Station weir totaled 88,649 fish through August 14, with the escapement goals from 83,450 to 111,290 fish for this same date (Figure 20). For Frazer pink salmon, some 40,500 had passsed through the Dog Salmon weir with a buildup of up to 20,000 on the flats. The minimum pink salmon escapement goal (50,000) was assured.

A 1 1/2 day fishery for the Alitak Bay District was allowed, beginning at Noon August 16 (in conjunction with the seventh general pink salmon fishing period). Escapements continued to be good and so this period was stretched to 2 1/2 days. Catches were fair, with approximately 75,000 taken in the Cape Alitak and Moser-Olga Bay Sections, however only about 50% were sockeye. Fishing closed on August 18. On August 20 it was determined that escapements for both Upper Station sockeye and Frazer pink salmon were sufficient to allow more fishing time, so a 2 1/2 day period was announced, to begin Noon August 23 (in conjunction with the eighth, and last, general pink salmon fishing period).

-Continued-

The Alitak Bay District Salmon Management Plan (5AAC 18.361 (g)) states that from August 21 to 25 the Inner and Outer Upper Station Sections (normally closed waters) must be managed based on coho and late sockeye salmon returns to the Upper Station system. Such openings may not jeopardize achievement of minimum escapement goals for the other salmon species. Fishing time in the Outer Upper Station Section must always occur before any fishing time in the Inner Upper Station Section is allowed for each target species. The salmon escapements through the Upper Station weir by August 22 totaled 181,000 late run sockeye and 875 coho salmon. The season total escapement goal for Upper Station late run sockeye ranges from 150,000-200,000 fish. The escapement goal for coho salmon for this time period ranges from 500-1500 fish. There were an estimated 3,000-4,000 sockeye in the lower portion of the Upper Station (Olga) Creek and 10,000 sockeye present near the stream terminus. With the escapement goals achieved for the late run sockeye and coho salmon for the Upper Station system, an opening for the Inner and Outer Upper Station Sections was warranted to harvest sockeye salmon which are in excess of escapement requirements.

Initially, these upper bay sections were to open on August 24, with only a six hour opening for the Inner Upper Station Section, and a 30 hour opening for the Outer Upper Station Section. However, continued build up and good daily escapements of sockeye led to a reassessment, and on August 24 these fishing times were extended through August 27, for a total of 3 1/2 days of fishing. The traditional fishing areas of the Alitak Bay District, the Humpy-Deadman, Cape Alitak, and Moser-Olga Bay Sections, were also extended through August 27.

Even with the upper bay fisheries sockeye and coho escapement to Upper Station and pink escapements to Frazer and Humpy-Deadman systems continued to meet or exceed escapement requirements. Fisheries in the Humpy-Deadman, Cape Alitak, and Moser-Olga Bay Sections were extended again on August 27, and remained open through the end of the commercial salmon fishing season.

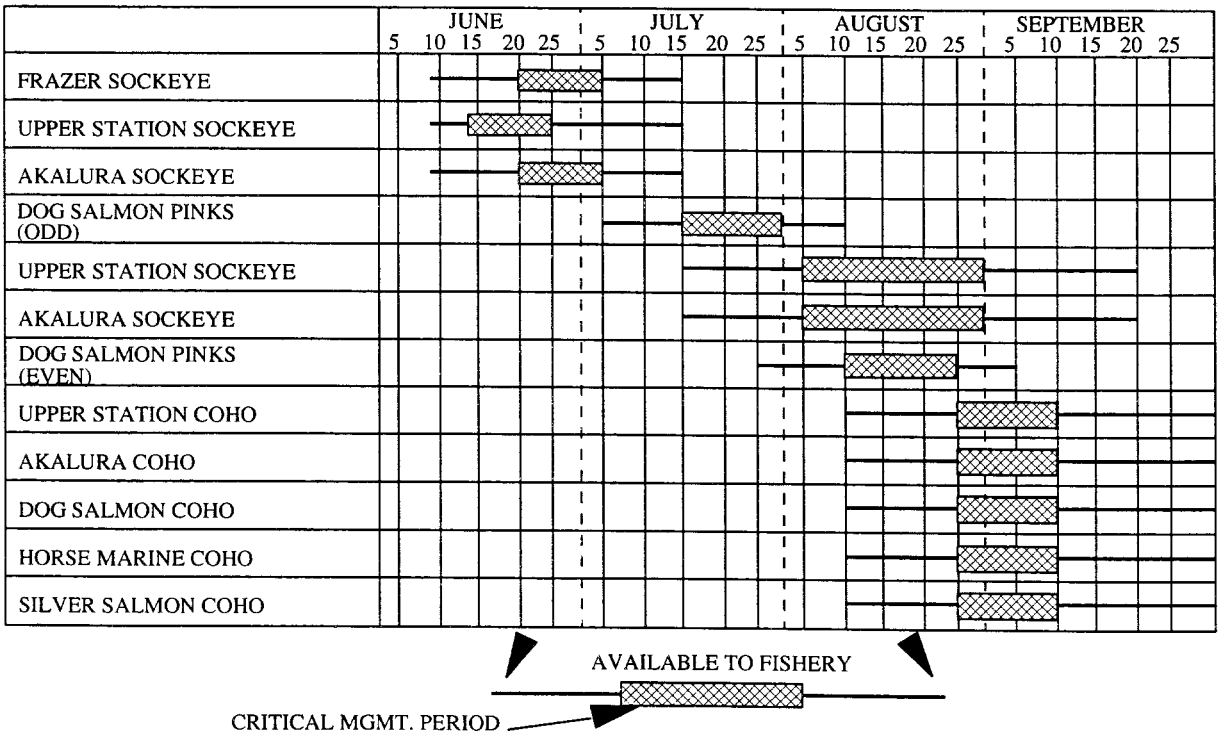
In total 111 purse seine permit holders fished in the Alitak Bay District fisheries, and harvested approximately 1,794 chinook, 430,462 sockeye, 1,024,739 pink, 91,468 chum, and 18,186 coho salmon. Also 74 gill net permit holders fished in the Alitak Bay District, and harvested approximately 152 chinook, 500,866 sockeye, 96,093 pink, 20,723 chum, and 14,126 coho salmon (Appendices H.4. and H.5., and Appendix P).

ALITAK BAY DISTRICT MANAGEMENT PLAN

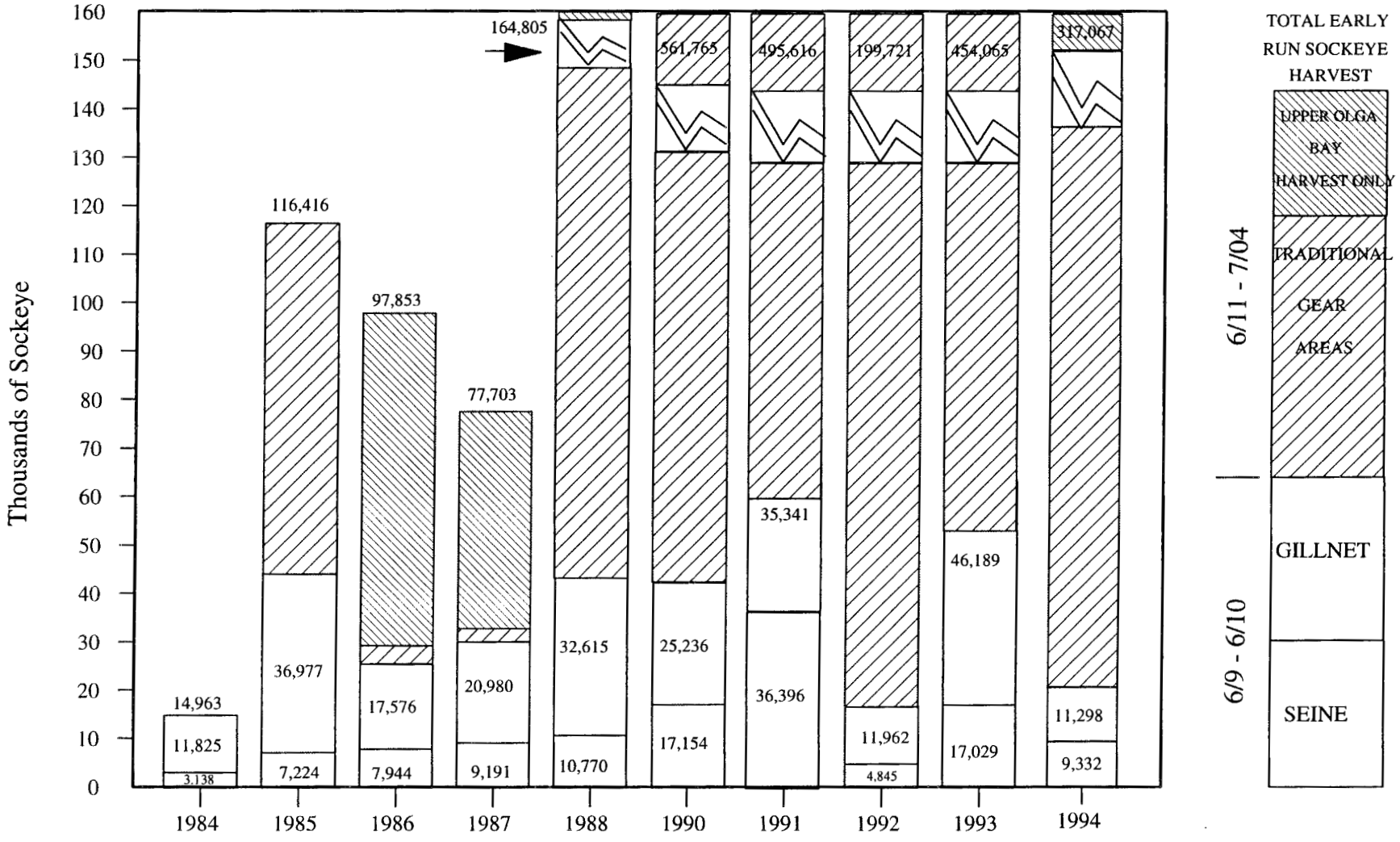
CAPE ALITAK SECTION (SEINE)	CLOSED XXXXXXX	FRAZER SOCKEYE (AGGRESSIVE MANAGEMENT STRATEGY)	FRAZER SOCKEYE (CONSERVATIVE MANAGEMENT STRATEGY)	ODD YEAR CYCLE FRAZER PINK SALMON EVEN YEAR CYCLE UP.STATION SOCKEYE (LATE RUN)	ODD YEAR CYCLE UP.STATION SOCKEYE EVEN YEAR CYCLE UP.STATION SOCKEYE & FRAZER PINK SALMON		ALL ALITAK DISTRICT COHO SYSTEMS
MOSER/OLGA BAY SECTION (GILLNET) (TRADITIONAL)	CLOSED XXXXXXX	FRAZER SOCKEYE (AGGRESSIVE MANAGEMENT STRATEGY)	FRAZER SOCKEYE (CONSERVATIVE MANAGEMENT STRATEGY)	ODD YEAR CYCLE FRAZER PINK SALMON EVEN YEAR CYCLE UP.STATION SOCKEYE (LATE RUN)	ODD YEAR CYCLE UP.STATION SOCKEYE EVEN YEAR CYCLE UP.STATION SOCKEYE & FRAZER PINK SALMON		ALL OLGA BAY COHO SYSTEMS
OUTER UPPER & INNER UPPER STATION (GILLNET) (NON-TRADITIONAL)	CLOSED CLOSED	UPPER STATION SOCKEYE (EARLY RUN)		UPPER STATION SOCKEYE (LATE RUN)		UP. STATION SOCK & COHO	UPPER STATION COHO
OUTER AKALURA & IN. AKALURA SECTIONS (GILLNET) (NON-TRADITIONAL)	CLOSED CLOSED	AKALURA SOCKEYE (EARLY RUN)		AKALURA SOCKEYE (LATE RUN)		AKALURA SOCK & COHO	AKALURA COHO
DOG SALMON FLATS SECTION (GILLNET) (NON-TRADITIONAL)	CLOSED CLOSED	FRAZER SOCKEYE (MOP UP FISHERY)		FRAZER PINK SALMON		FRAZER AND HORSE MARINE COHO	
HUMPY/DEADMAN SECTION (SEINE)	CLOSED XXXXXXX	FRAZER SOCKEYE (AGRESSIVE MANAGEMENT STRATEGY)	FRAZER SOCKEYE (CONSERVATIVE MANAGEMENT STRATEGY)	ALITAK BAY PINK, CHUM, AND COHO			

6/1 6/9-10 6/24 7/9 7/15 8/9 8/20 8/26 9/25

ALITAK BAY DISTRICT - PRIMARY MANAGEMENT SPECIES BY STREAM BY TIME



Appendix H.2. Primary management species and fishery chronology of the Alitak Bay District Salmon Management Plan for the Kodiak Management Area, 1994.



* Gillnet harvest from statistical areas 257-30, 257-40, and 257-41; Purse Seine harvest from statistical areas 257-10, 257-20, 257-50, 257-60 and 257-70

Appendix H.3. Comparison of the June 9 commercial test fishery sockeye harvest with the total early run sockeye harvest in the Alitak Bay District of the Kodiak Management Area, 1984 - 1994.

Appendix H.4. Commercial salmon harvest, by species, and percentage by gear type, Alitak Bay District, Kodiak Management Area, 1954 - 1994.

YEAR	CHINOOK #	CHINOOK SN%	CHINOOK PS%	SOCKEYE #	SOCKEYE SN%	SOCKEYE PS%	COHO #	COHO SN%	COHO PS%	PINK #	PINK SN%	PINK PS%	CHUM #	CHUM SN%	CHUM PS%	TOTAL #	TOTAL SN%	TOTAL PS%
1954	3	33%	67%	44448	94%	6%	1118	93%	7%	490038	47%	53%	55788	19%	81%	591395	48%	52%
1955	38	74%	26%	56058	89%	11%	410	68%	32%	1656363	15%	85%	100031	17%	83%	1812900	18%	82%
1956	10	10%	90%	62673	77%	23%	904	25%	75%	335669	30%	70%	55967	11%	89%	455223	34%	66%
1957	7	14%	86%	15365	88%	12%	378	31%	69%	410620	12%	88%	49661	27%	73%	476031	16%	84%
1958	11	0%	100%	30542	79%	21%	488	33%	67%	770851	29%	71%	81255	8%	92%	883147	29%	71%
1959	11	18%	82%	24888	59%	41%	378	30%	70%	544592	23%	77%	70589	8%	92%	640458	23%	77%
1960	29	17%	83%	68472	77%	23%	2129	77%	23%	1561476	25%	75%	102432	13%	87%	1734538	26%	74%
1961	23	4%	96%	145781	67%	33%	1470	49%	51%	1589027	14%	86%	60600	18%	82%	1796901	19%	81%
1962	5	20%	80%	124496	75%	25%	1792	79%	21%	1886769	23%	77%	54115	26%	74%	2067177	26%	74%
1963	30	7%	93%	54992	60%	40%	1202	31%	69%	1522856	14%	86%	42836	10%	90%	1621916	15%	85%
1964	29	10%	90%	50167	72%	28%	2324	76%	24%	1408731	46%	54%	34460	13%	87%	1495711	46%	54%
1965	16	6%	94%	68876	68%	32%	688	16%	84%	1129185	11%	89%	20604	17%	83%	1219369	14%	86%
1966	2	50%	50%	70526	91%	9%	585	78%	22%	429204	40%	60%	33153	18%	82%	533470	46%	54%
1967	6	0%	100%	14227	82%	18%	50	0%	100%	84918	66%	34%	17377	55%	45%	116578	66%	34%
1968	16	44%	56%	40662	86%	14%	3701	79%	21%	1046221	21%	79%	29450	35%	65%	1120050	24%	76%
1969	27	37%	63%	98722	54%	46%	7240	7%	93%	3768917	8%	92%	45134	15%	85%	3920040	10%	90%
1970	8	50%	50%	81528	76%	24%	4540	73%	27%	949488	27%	73%	93306	15%	85%	1128870	30%	70%
1971	33	30%	70%	124480	55%	45%	2261	66%	34%	1066180	10%	90%	191437	7%	93%	1384391	14%	86%
1972	15	40%	60%	22127	70%	30%	1270	51%	49%	187154	17%	83%	93236	6%	94%	303802	18%	82%
1973	4	50%	50%	10338	62%	38%	125	70%	30%	49932	35%	65%	24408	19%	81%	84807	34%	66%
1974	19	16%	84%	66605	52%	48%	1284	49%	51%	363389	9%	91%	22220	9%	91%	453517	16%	84%
1975	0	0%	0%	16515	72%	28%	1627	3%	97%	235720	11%	89%	2855	40%	60%	256717	15%	85%
1976	18	28%	72%	96668	71%	29%	3518	53%	47%	1804003	26%	74%	66183	14%	86%	1970390	28%	72%
1977	20	40%	60%	78805	69%	31%	1343	57%	43%	961673	23%	77%	70978	12%	88%	1112819	26%	74%
1978	694	58%	42%	218165	59%	41%	2788	52%	48%	4191756	12%	88%	72166	16%	84%	4485569	14%	86%
1979	108	24%	76%	317906	50%	50%	15007	54%	46%	1664249	7%	93%	22454	32%	68%	2019724	14%	86%
1980	34	21%	79%	208200	83%	17%	12972	34%	66%	2033236	12%	88%	67471	12%	88%	2321913	18%	82%
1981	45	13%	87%	346073	74%	26%	17011	55%	45%	2073629	13%	87%	61513	37%	63%	2498271	22%	78%
1982	43	30%	70%	476862	86%	14%	29378	40%	60%	519880	27%	73%	101543	22%	78%	1127706	52%	48%
1983	159	12%	88%	460087	59%	41%	28953	45%	55%	1318526	7%	93%	107786	21%	79%	1915511	21%	79%
1984	290	11%	89%	382729	67%	33%	25299	51%	49%	433806	25%	75%	84924	24%	76%	927048	43%	57%
1985	199	21%	79%	703186	63%	37%	43914	48%	52%	1057912	14%	86%	84760	33%	67%	1889971	34%	66%
1986	134	17%	83%	1247976	58%	42%	30548	44%	56%	728205	17%	83%	75643	16%	84%	2082506	42%	58%
1987	105	11%	89%	515410	63%	37%	17959	53%	47%	916875	9%	91%	59723	37%	63%	1510072	29%	71%
1988	624	11%	89%	1123474	58%	42%	30001	38%	62%	385735	35%	65%	93391	35%	65%	1633225	51%	49%
1990	807	17%	83%	1435461	52%	48%	18176	65%	35%	144927	13%	87%	50304	36%	64%	1649675	48%	52%
1991	821	10%	90%	2062718	58%	42%	24601	52%	48%	2373516	5%	95%	83003	24%	76%	4544659	30%	70%
1992	1056	9%	91%	525158	53%	47%	24548	55%	45%	59268	28%	72%	34580	43%	57%	644610	50%	50%
1993	1828	10%	90%	998751	53%	47%	19271	40%	60%	3465473	6%	94%	53636	27%	73%	4538959	17%	83%
1994	1946	8%	92%	931328	54%	46%	32312	44%	56%	1120832	9%	91%	112191	18%	82%	2198609	29%	71%
Average 1970-94	375	15%	85%	518773	59%	41%	16196	48%	52%	1171057	13%	87%	72071	21%	79%	1778473	27%	73%
Average 1984-94	781	11%	89%	992619	57%	43%	26663	48%	52%	1068655	10%	90%	73216	28%	72%	2161933	33%	67%
							Even Year Avg. 86-94			487793	16%	84%						
							Odd Year Avg. 83-93			1826460	7%	93%						

"SN" is set gillnet
"PS" is purse seine

YEAR	GILLNET [a]									SEINE [a]			TOTAL DISTRICT HARVEST
	MOSER BAY			OLGA BAY			TOTAL [b]			TOTAL [b]			
	PERMIT	HARVEST	%	PERMIT	HARVEST	%	PERMIT	HARVEST	%	PERMIT	HARVEST	%	
1982	63	247,000	52	46	162,700	34	74	409,700	86	104	65,700	14	475,400
1983	67	183,400	40	43	85,900	19	80	269,300	59	157	189,900	41	459,200
1984	61	176,300	47	40	79,900	21	70	256,200	68	70	123,100	32	379,300
1985	70	301,600	43	45	138,700	20	75	440,300	63	117	261,200	37	701,500
1986	67	338,500	27	65	386,500	31	79	725,000	58	146	522,900	42	1,247,900
1987	60	188,300	37	61	133,900	26	73	322,200	63	151	193,200	37	515,400
1988	65	401,800	36	58	251,100	22	81	652,900	58	122	470,500	42	1,123,400
1989 [c]	45	134,000	10	80	1,150,000	90	87	1,284,000	100	1	100	0	1,284,100
1990	73	507,300	35	63	237,300	17	91	744,600	52	156	690,800	48	1,435,400
1991	65	626,000	30	67	571,700	28	86	1,197,700	58	187	864,900	42	2,062,600
1992	65	197,800	38	44	78,700	15	79	276,500	53	140	248,700	47	525,200
1993	64	384,500	39	35	140,200	14	76	524,700	53	115	474,100	47	998,800
1994	61	364,900	39	43	135,900	15	74	500,800	54	111	430,500	46	931,300
AVERAGE 1982-93	65	323,000	35	52	206,000	23	78	529,000	59	133	378,000	41	904,600

a Harvest in number of fish.

b Gillnet harvest is from the Moser-Olga Bay Section; Seine harvest is from the Cape Alitak and Humpy-Deadman Sections.

c 1989 harvest patterns were unusual due to the presence of oil in the Kodiak Management Area from the M/V Exxon Valdez oil spill. 1989 harvest figures were not used to calculate averages.

Appendix H.5. Sockeye salmon harvest and number of permits operating in the Alitak Bay District, by gear type and location of harvest, in the Kodiak Management Area, 1982 - 1994.

Appendix I.1. Narrative account of the westside Kodiak sockeye salmon fisheries in the Kodiak Management Area, 1994.

INTRODUCTION

Commercial salmon fisheries along Kodiak Island's westside are the oldest in the KMA. Sockeye salmon returning to the Karluk River brought fishers and processors to Kodiak soon after the territory was transferred from the Russians in 1867. The Karluk system is said to have produced more sockeye salmon for its size than any other system in the world (Roppel 1986). In 1889 the catch at the mouth of this river totaled 3.5 million sockeye salmon. In 1896 the first catches from other areas were documented, with sockeye salmon being landed from the Uganik, Little, and Ayakulik Rivers (Figure 3, and Appendices A.2. to A.4.).

With increased fishing pressure sockeye stocks declined. Fisheries spread along the westside of Kodiak to target mixed sockeye, pink, chum, and coho salmon stocks as they migrated toward their natal streams. Fish traps were heavily used and accounted for the majority of the harvest. There was much controversy concerning the use of cannery owned fish traps, due to allocative concerns of independent fishermen and biological concerns of management biologists. Traps were outlawed by the State of Alaska in 1959, and seine and gillnet gear competed for the available salmon resources. Gear specific fishing areas, closed water sanctuaries, and complex, stock specific harvest strategies developed to ease allocative conflicts and to aid in the rebuilding of depressed sockeye salmon stocks.

The mixing of various local salmon stocks during the inshore migration makes management very complex. The many tagging studies done along Kodiak Island's westside were intended to help discern migratory pathways and timing of the westside salmon stocks as well as salmon moving to the Alitak Bay District. Both set gillnet and seine gear are legal gear in part of the westside (the Central Section), and occasional allocative disputes arose. Harvest strategies evolved until 1990, when the Westside Kodiak Management Plan (5 AAC 18.362) was adopted by the Board of Fisheries (Appendix C.1. pages 7 and 8). It was hoped that placing this plan in regulation would clarify the management strategy which was in place to maintain the biological integrity of local salmon stocks and the allocative concerns of local fishers. It is the intent of this plan that salmon bound to local systems be harvested in "traditional" fisheries located in all sections covered under this plan. The Westside Salmon Management Plan is effective for the entire salmon season, and covers the Southwest Kodiak and Northwest Kodiak Districts, and the Southwest Afognak Section of the Afognak District (Appendix I.2.).

The Westside Kodiak Management Plan guides early and late run sockeye fisheries of the Southwest Afognak Section and the Northwest and Southwest Kodiak Districts, including: the major systems of Karluk and Ayakulik, and the minor systems of Little River, Uganik, Malina, Paramanof, Thorshiem. This plan states that the westside management units will be managed in early June as mixed stock sockeye fisheries on sockeye bound for Alitak, Ayakulik, Karluk, and

-Continued-

local minor systems. For the Northwest Kodiak District, as indicated in the Westside Kodiak Management Plan, at least two commercial test fishing periods, each not exceeding 33 hours in length, shall occur in this district during the period June 9 through approximately June 15. The results of these commercial test fisheries are used as a management tool to aid in evaluating the actual return strength of the early run Karluk, and the Ayakulik sockeye stocks.

1994 Westside Kodiak Fisheries

As scheduled in the 1994 Kodiak Area Commercial Salmon Fishery Harvest Strategy (R.I.R. 4K94-21), the first commercial salmon fishing period began at 12:00 Noon on June 9. Based on return strength of sockeye, pink, and coho salmon stocks commercial salmon fisheries occurred in Westside Kodiak Management units throughout the season, with the last delivery occurring on October 1. The total commercial harvest from Westside Kodiak managment units was 5,753,609 salmon, including 16,930 chinook, 1,365,227 sockeye, 137,963 coho, 3,903,911 pink, and 329,578 chum salmon (Appendix I.3. and I.4.), which represents 47.6 percent of the total KMA salmon harvest (Appendix I.4.).

Because of the importance of the major systems of Karluk and Ayakulik to the fisheries associated with the Westside Kodiak Management Plan, the 1994 season synopsis will describe these major sockeye returns. A description of the Westside Kodiak pink salmon fisheries is found in Appendix K.

Karluk Early Run Sockeye

During early June of 1994 there was little indication of the actual strength of the Karluk early sockeye return. The preseason forecst called for a total return of approximately 600,000 sockeye (range 500,000 to 700,000), with an escapement goal of 150,000 to 250,000 this left an estimated harvestable surplus of approximately 400,000 sockeye salmon. As allowed by the Westside Kodiak Management Plan, and indicated in the 1994 Kodiak Area Commercial Salmon Fishery Harvest Strategy (R.I.R. 4K94-21), the first fishing period began at 12:00 Noon on June 9. The results of this commercial test fishery is used as a management tool to aid in evaluating the actual run strength. The Northwest Kodiak District harvest for this opening was approximately 28,150 salmon (the Kizhuyak Section remained closed to protect the small run of sockeye salmon to Barabara Lake). This is not a particularly good, or poor, catch. Escapements improved significantly on June 12, with over 42,300 sockeye passing the weir (no build up had been sighted in the lagoon).

Sockeye returns to Karluk remained strong and the westside of Kodiak, including the Southwest Afognak Section and the Northwest Kodiak District, opened again on June 14 (the Kizhuyak Section of the Northwest Kodiak District remained closed to afford increased protection to the minor sockeye system in that section). By June 15 it was clear that the early Karluk run was

-Continued-

coming in stronger than forecasted. Initial catches along the westside were good. Escapements continued to be large, with over 107,000 sockeye counted through the Karluk weir through June 14. Aerial survey estimated over 30,000 additional sockeye in Karluk Lagooon, so on June 15 fishing in the westside management units was extended, and the terminal areas of the Inner and Outer Karluk Sections were open to fishing.

Commercial fishing in westside management units (including the terminal fishing area of the Inner and Outer Karluk Sections) was extended twice more, then on June 22 fishing in these sections was extended "until further notice". As of June 22 escapement totaled over 198,000 sockeye salmon, and daily catches were averaging over 30,000 fish per day, with 10,000 to 15,000 fish per day being taken in the Inner and Outer Karluk Sections.

The Westside Kodiak Management Plan (5 AAC 18.362) states that fishing in the Southwest Afognak Section and most of the Northwest Kodiak District is managed based on Karluk bound early run sockeye salmon through July 5, prior to the general pink salmon management period. The Inner and Outer Karluk Sections are managed on Karluk bound early run sockeye salmon through July 15.

Because of the strong early sockeye return to Karluk, and the forecasted harvestable surplus of pink salmon, fishing in the Southwest Afognak Section and Northwest Kodiak District was extended through the first general pink salmon opening, closing on Juy 8. The Inner and Outer Karluk Sections were also extended, and the Inner Karluk Section was further extended, through July 17, to "mop up" early run sockeye salmon returning to Karluk.

Approximately 652,800 sockeye salmon were harvested in fisheries directed toward early run sockeye bound to Karluk. The early run escapement was 253,590 (slightly above the upper goal of 250,000) (Figure 18).

Karluk Late Run Sockeye

In accordance with the Westside Kodiak Management Plan between July 6 and August 15 much of the Northwest Kodiak District and west Afognak Sections are managed based on pink salmon returns to the major systems or local minor systems. From August 16 to 24 management is still directed at pink salmon, but also is blended toward late run Karluk sockeye salmon management. Weekly fishing period are set preseason for the July and August time period, with variations determined inseason as the runs develop. From August 25 through September 5 management of fisheries is directed at late run sockeye returning to Karluk, and after September 5 towards coho salmon management. For the Southwest Kodiak District, the Inner and Outer Karluk, Sturgeon, and Halibut Bay Sections, are to be similarly managed, except that Halibut Bay management

-Continued-

targets Ayakulik bound salmon from July 16 to July 31, then blends late Karluk sockeye and Ayakulik pink salmon management through August 24.

There was a good return of pink salmon forecast for 1994, estimated at 12.3 million wild pink salmon for the KMA, with over 5 million expected to come from westside fisheries (Appendix E.1.). Those management units along the westside of Kodiak opened for 2 1/2 day fishing period during the first week of July, and then were extended to 3 1/2 day periods each week for the remainder of July, and into August. During the initial periods, through July, it appeared as if the pink salmon return was coming in as strong as predicted. Additional areas, including the Outer Karluk Section were opened, and extended, during the first week of August. However by August 15 the determination was made that the pink return was weaker than forecast, and only 8 million might be harvested.

During this time it was not possible to determine the strength of the Karluk late sockeye return. Catches of sockeye salmon were fair, but the late run sockeye escapement was low. Significant number of sockeye salmon were building in the lagoon, so it was felt that reduced weekly fishing periods, only 2 1/2 days per week, could be allowed. By August 25 an estimated 150,000 sockeye were in the lagoon and over 46,000 sockeye had passed the weir. The announced 2 1/2 day period was extended an additional 2 days, and the Halibut Bay Section was opened (due to sufficient numbers of fish at Karluk and at Ayakulik; see the following section on the Ayakulik sockeye salmon return for more details).

By August 31 the sockeye escapement through Karluk weir was 132,000, below the interim escapement goal, but 150,000 sockeye were in the lagoon (water levels were low and fish were holding below the weir). A 2 1/2 day fishing period was allowed for westside management units, including the Southwest Afognak Section, the Northwest Kodiak District (except for the Raspberry Straits Section which remained closed to protect local coho runs), and the Halibut Bay Section. Catches were weak during this opening, and the escapements at Karluk remained low, so the westside management units closed to further fishing.

Not until September 15 did escapements improve sufficiently to allow further openings for Karluk bound salmon. By September 18 the minimum escapement goal had been achieved for sockeye and coho salmon, and a 4 day opening was allowed for the Southwest Afognak Section and Northwest Kodiak District. Rain helped raise water levels in the river and lagoon and escapements were good, so commercial salmon fishing in these management units was extended until the end of the regulatory season, October 31.

At the end of the season, the Karluk late run sockeye escapement totaled 594,400 sockeye, above the upper goal (Figure 18). The estimated harvest of sockeye, taken during pink salmon fisheries prosecuted in July and August and late sockeye and coho fisheries in September, was approximately 355,200 sockeye salmon (Table 20).

-Continued-

Ayakulik Sockeye

The 1994 forecasted return of sockeye salmon to the Ayakulik was well below previous years returns, down 50% from the 1993 return (Appendix E.4.). The total run was forecasted at 425,000 sockeye salmon (range 275,000 to 575,000); subtracting for an escapement goal of 200,000 to 300,000 left a predicted harvest of only 175,000 sockeye salmon, most of which were expected to be caught in terminal June fisheries (Prokopowich, et al, 1994).

The Inner and Outer Ayakulik Sections, and at times the Halibut Bay Section (immediately adjacent to the Outer Ayakulik Section to the north), are managed based on salmon returning to the Ayakulik River. The Westside Kodiak Management Plan (5 AAC 18.362) states that in even numbered years fishing in the Inner and Outer Ayakulik Sections is based on early sockeye returns from June 9 to July 15, on late sockeye and pink salmon returns from July 16 to August 24, and on coho salmon returns after August 24. The Westside Kodiak Management Plan also states that in even numbered years fishing in the Halibut Bay Section can be opened based on Ayakulik and Karluk early run sockeye from June 23 to July 15, based on Ayakulik late returning sockeye and pink salmon from July 16 to July 31, on late Karluk sockeye and Ayakulik pink salmon from August 1 to August 24, based on Karluk sockeye from August 25 to September 5, and based on local coho salmon after September 5.

Escapements of sockeye salmon into the Ayakulik were only fair during June. Throughout June no commercial fisheries were allowed, and only enough sockeye returned to meet interim escapement goals. On June 28 escapement first exceeded the desired interim goal, but escapements stayed only about 2 to 3 days ahead of schedule. It was felt that there was not a large enough surplus to allow any commercial fisheries, and the Inner and Outer Ayakulik Sections, and the Halibut Bay Section, remained closed through July 15. As of July 15 only 241,811 sockeye salmon had entered the river, just above the desired interim goal of 220,000 by July 15.

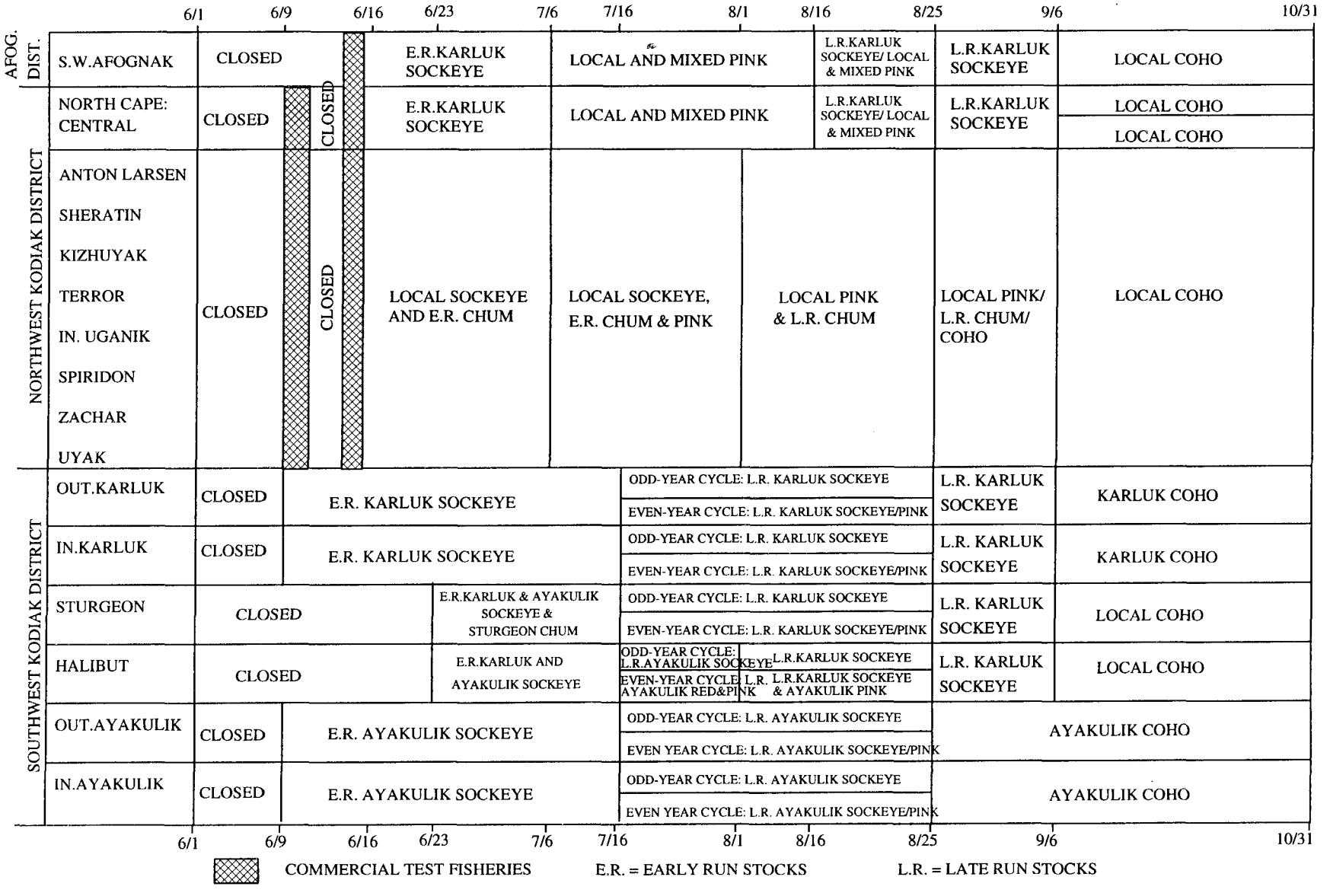
In conjunction with the general pink salmon fisheries there were openings in the Ayakulik sections and Halibut Bay during late July and early August. Openings occured July 21 to 22, and July 26 to 29. That portion of the Inner and Outer Ayakulik Sections south of Ayakulik Island (south of 57°13'09" North latitude) remained closed to allow a large closed water area for continued escapement. July 27 the Ayakulik sockeye escapement exceeded 300,000, the season goal, so a 33 hour commercial fishing period in the "terminal" areas south of Ayakulik Island was allowed July 28 to 29. Sockeye catches during these periods were fair, dropping off near the end of the second period.

Low pink salmon escapements kept the Ayakulik sections closed through August 4. Pink salmon escapement met the lower goal and sockeye escapement exceeded the desired goal, so a short 33

-Continued-

hour fishng period was allowed August 5 to 6 for that portion of the Inner and Outer Ayakulik Sections north of Ayakulik Island (north of 57°13'09" North latitude) and for the Halibut Bay Section. Over 40,000 salmon were harvested, approximately 30% of which were sockeye salmon. Pink escapements fell off, falling below the minimum goal after August 11. No fishing was allowed in these areas through August 24. After August 24 mangement is based on coho escapements in the Inner and Outer Ayakulik Sections, and Halibut bay is managed based on Karluk late run sockeye salmon and local coho salmon. A 2 1/2 day opening was allowed August 25 to 27, and continious fishing was allowed after August 31.

Final end of season escapement was 380,181 sockeye salmon, well above the upper goal of 300,000 sockeye salmon (Figure 19). The estimated harvest of Ayakulik sockeye salmon totaled 106,300 fish (Appendix P, and Table 20).

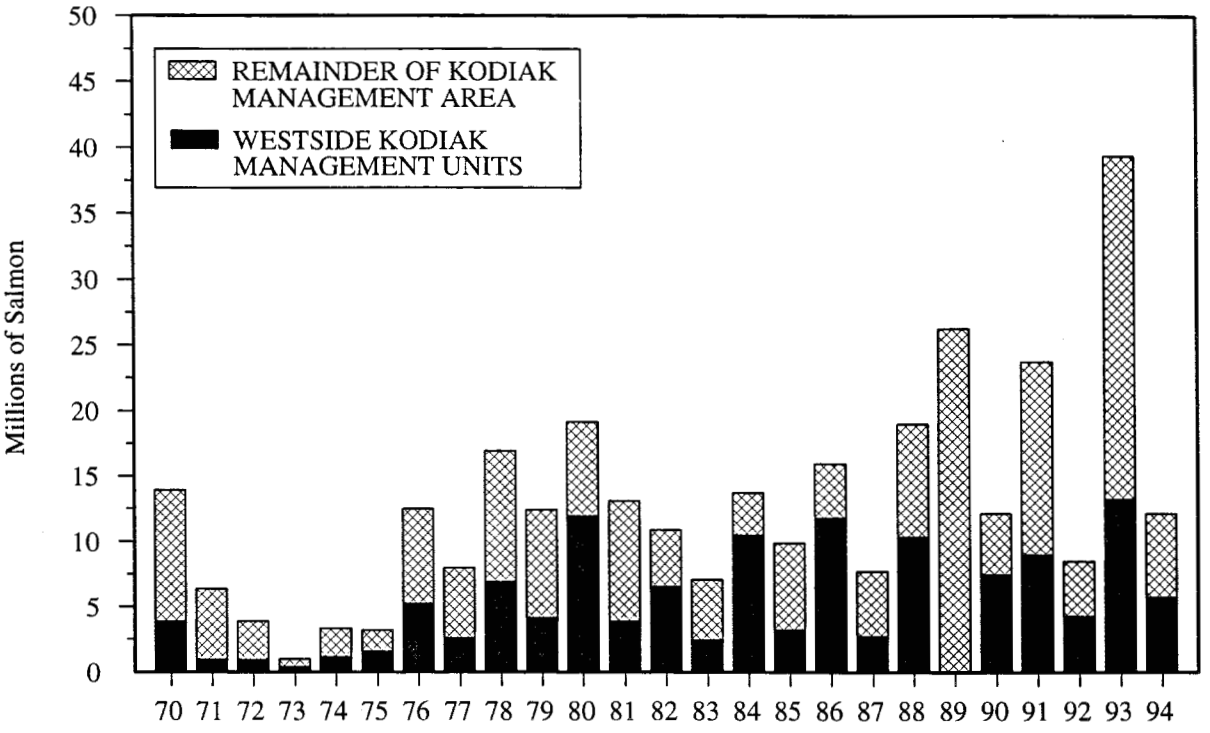


Appendix I.2. Primary management species and fishery chronology of the Westside Kodiak Management Plan for the Kodiak Management Area, 1994.

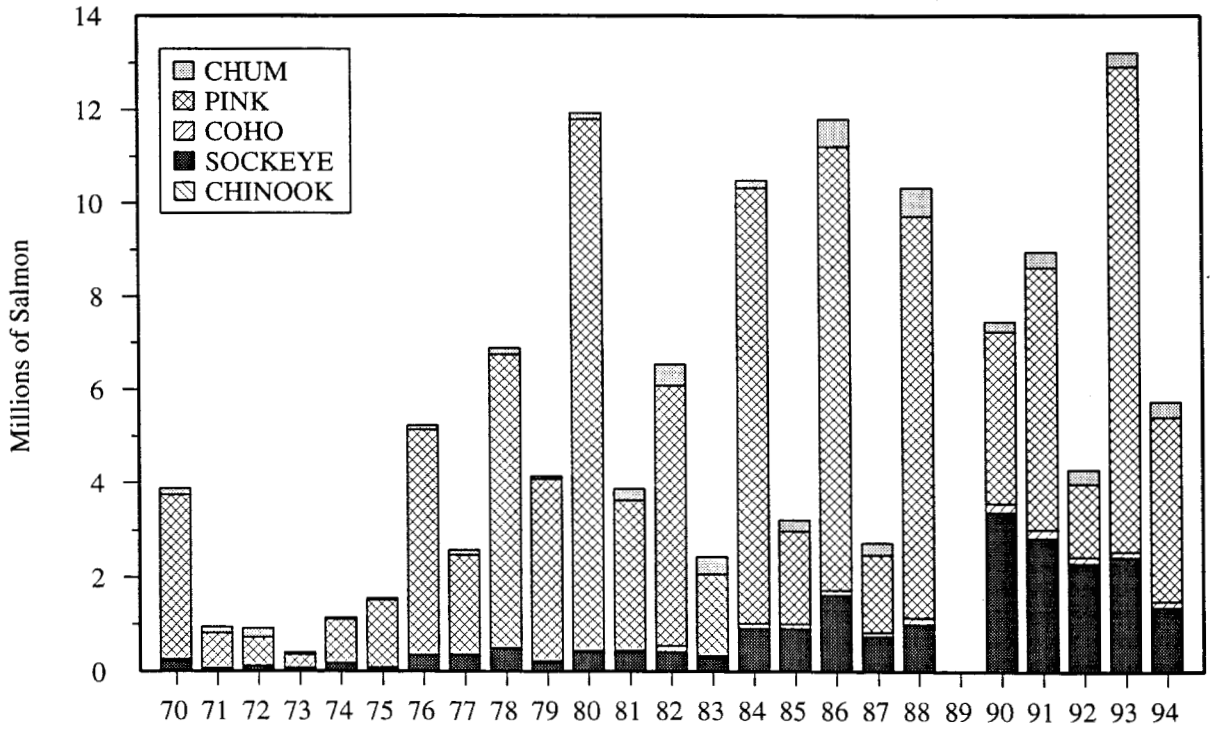
YEAR	CHINOOK	SOCKEYE	COHO	PINK	CHUM	TOTAL
70	702	230,424	36,038	3,485,342	135,658	3,888,164
71	96	66,199	5,596	752,869	128,747	953,511
72	867	121,203	4,990	608,989	193,569	929,618
73	145	76,010	1,403	288,568	49,931	416,057
74	227	181,075	4,919	930,645	34,214	1,151,080
75	50	75,983	14,439	1,441,658	36,358	1,568,488
76	253	350,403	10,412	4,786,866	91,524	5,239,458
77	454	363,690	12,619	2,107,769	115,435	2,599,967
78	1,352	491,503	20,216	6,245,588	134,794	6,893,453
79	611	185,363	47,043	3,860,734	59,469	4,153,220
80	385	411,862	44,639	11,344,424	132,910	11,934,220
81	899	415,018	36,650	3,183,618	246,825	3,883,010
82	858	427,454	128,718	5,538,196	450,819	6,546,045
83	2,344	297,045	49,393	1,728,428	374,187	2,451,397
84	3,634	925,236	104,347	9,291,637	166,069	10,490,923
85	4,304	920,015	97,474	1,979,788	226,726	3,228,307
86	3,728	1,632,227	102,304	9,472,330	584,538	11,795,127
87	2,268	754,943	85,055	1,643,187	261,601	2,747,054
88	11,848	998,895	141,115	8,574,478	609,946	10,336,282
89	0	3,489	986	1,005	53	5,533
90	12,090	3,383,351	176,475	3,674,278	218,883	7,465,077
91	11,780	2,842,802	179,852	5,588,982	346,193	8,969,609
92	17,238	2,306,791	128,737	1,538,305	302,779	4,293,850
93	22,189	2,425,370	124,497	10,344,080	300,571	13,216,707
94	16,930	1,365,227	137,963	3,903,911	329,578	5,753,609

Appendix I.3. Commercial salmon harvest by speices for westside management units of the Kodiak Management Area, 1970-1994.

Salmon Harvest in Westside Kodiak units vs. the Remainder of the Kodiak Management Area, 1970 - 1994.



Westside Kodiak Management Units Salmon Harvest, by species, 1970 - 1994.



Appendix I.4. Salmon harvest in the Westside Kodiak Management Plan units of the Kodiak Management Area, 1970-1994.

Appendix J.1. Narrative account of the North Shelikof sockeye salmon fishery in the Kodiak Management Area, 1994.

INTRODUCTION

In 1988, there was a significant harvest of large (greater than 6 pound) sockeye salmon in management units bordering the northern portion of Shelikof Strait. Analysis of average weights, salmon ages (determined from scale analysis), review of past tagging studies, and estimates of migratory timing, led to the determination that the majority of these sockeye salmon were bound for Cook Inlet (Barrett 1989). Though the Cook Inlet sockeye salmon return was at record level, the Board of Fisheries felt that this was an expanding, nontraditional harvest pattern. In 1990, the North Shelikof Strait Sockeye Salmon Management Plan (5AAC 18.363.) was adopted into regulation (Appendix J.2. and Appendix C.1 page 8).

The North Shelikof Strait Sockeye Salmon Management Plan (NSSSSMP) limits purse seine fishing opportunities in those sections of the Kodiak Area which border the north Shelikof Strait (those waters of Shelikof Strait from Dakavak Bay to Cape Douglas in the Mainland District and from Raspberry Cape to Shuyak Island in the Afognak District) (Appendices A.2 and A.7.). The plan covers the time period from July 6 through July 25 and establishes two specific sockeye salmon harvest "caps" for management units within the affected zone. These "caps" were established to protect Cook Inlet bound sockeye salmon which migrate through the Shelikof Strait. The Southwest Afognak unit, comprised of the entire Southwest Afognak Section, has a limited sockeye harvest cap, as does the North Shelikof unit, comprised of the Dakavak Bay, Outer Kukak Bay, Hallo Bay, and Big River Sections of the Mainland Ditrict and the Shuyak Island and Northwest Afognak Sections of the Afognak District.

By regulation "Seaward Zones" are established in each management unit; these zones are comprised of all waters seaward of a baseline which is drawn from cape to cape[1]. The Seaward Zone of the Southwest Afognak unit will close to fishing if more than 50,000 sockeye salmon are harvested between July 6 through July 25. The Seaward Zone of the North Shelikof unit will close to fishing if more than 15,000 sockeye salmon are harvested between July 6 through July 25. If a Seaward Zone closure occurs only the inshore "shoreward zone" (all waters inside the baseline) will be open to commercial fishing during normal fishing periods. This plan has been in effect since 1990.

Permit holders who intend to fish in management units covered by this plan were advised in the 1994 Kodiak Area Commercial Salmon Fishery Harvest Strategy (RIR 4K94-21) that in-period closures of the Seaward Zones might occur. In order to provide for an orderly inperiod closure,

-Continued-

[1] In 1993 the "seaward zone" boundary of the Southwest Afognak unit was modified by the Alaska board of Fisheries. The "seaward zone" boundary was moved 1/2 mile offshore of the baseline running cape to cape, in order to allow for traditional harvest opportunities of pink salmon.

permit holders are notified of specific times when to listen on SSB channel 4125 mHz for potential closure announcements. In 1994 those times were at 8:00 am, 10:00 am, 2:00 pm, or 6:00 pm daily.

In the three years this plan has been in effect, seaward zone closures in the North Shelikof Unit occurred in 1990, 1992, and 1993, and in the Southwest Afognak Unit in 1992 and 1993 (Appendix J.3.).

1994 North Shelikof Strait Salmon Fishery

Length and timing of commercial salmon fishing periods in the areas covered by this plan during July is based on the Kodiak pink and chum salmon harvest strategy. These areas have traditionally been opened during this time to allow for the harvest of bright, high quality pink and chum salmon migrating down the Shelikof Strait towards the major spawning systems of the west and south sides of Kodiak, or to local systems of Afognak and the Alaska Peninsula. Weekly fishing periods are scheduled preseason based on the forecasted return strength of pink salmon. In 1994, for management units bordering Afognak and Kodiak Islands, these weekly periods were set preseason at 2½ days during the first week of July, and 3½ days per week for the following weeks, based on a forecasted harvest of 13.7 million pink salmon. The weekly fishing periods for the Mainland District were to be shorter in duration, remaining at 2½ days per week throughout July, to provide additional protection for the minor chum systems of that area.

In 1994 during the July 6 to 25 time period of the North Shelikof Management Plan three (3) fishing periods were scheduled preseason, as follows: for those sections along the westside of Afognak Island fishing was to be opened 12:00 noon July 6 through 9:00 pm July 8 (2½ days), 12:00 noon July 12 through 9:00 pm July 15 (3½ days), and 12:00 noon July 19 through 9:00 pm July 24 (3½ days); for those sections of the Mainland District fishing was scheduled to be opened 12:00 noon July 6 through 9:00 pm July 8 (2½ days), 12:00 noon July 12 through 9:00 pm July 14 (2½ days), and 12:00 noon July 19 through 9:00 pm July 21 (2½ days).

The State vessel K-Hi-C was utilized to monitor the north Shelikof salmon fishery. The objective for having the K-Hi-C on the grounds was to collect up to date catch information needed to make management decisions, and to collect scale samples from sockeye salmon harvested. Catch information was obtained from fishing vessels on the grounds during the day and from tenders at night. Good estimates of species composition of the catch, number of fish caught in each seine haul, total daily catch, etc., were obtained for many of the vessels in each area. From this an estimate was made of the total catch per area per day. Catch information was relayed to the Kodiak office several times each day. Harvest estimates were also made from daily verbal catch reports by processors to the ADF&G management staff in Kodiak.

-Continued-

Commercial salmon harvests during the first fishing period of July were small. Winds had been predominately light westerlies, and many felt the fish were not setting into the capes and along the beaches. Effort in the Mainland sections dropped from an estimated 35 seine vessels to almost none after the first afternoon of fishing. Effort in the Afognak sections remained more constant through the first opener, but was still light at less than 20 vessels. Catches were slow, and many vessels opted to travel to other open areas which had been more productive in past weeks. Based on verbal reports from processors the total sockeye salmon harvest for the North Shelikof unit was estimated at less than 1800, and for the Southwest Afognak unit at less than 5600.

Prior to the second fishing period, which began July 12, the wind had switched to strong easterlies prompting speculation that fishing along the west side (the Mainland District side) of the Shelikof would be good. Many vessels had travelled down to the south mainland for an opening of the Cape Igvak Section on July 11, and became stuck as strong east winds precluded fishing or travel.

Initial effort levels (July 12) on the Mainland side of the North Shelikof unit (Dakavak Bay to Cape Douglas) were light, with only five vessels present. Fishing was good, with three vessels landing approximately 30,000 pounds of mixed salmon in the first half day of fishing. Sockeye made up approximately 60% of that catch (an estimated 2,500 sockeye were landed). As the wind diminished effort increased. By noon of the second day (July 13) over thirty five vessels were fishing, and more were coming north from the Cape Igvak Section. Fishing was not as good as the previous day, but most vessels were actively fishing, and not waiting in line for the established cape hauls. Few boats were fishing more than 1 mile from shore. There were a number of vessels fishing south of 58° 01' North latitude, in the Katmai Section which is outside of the area covered by the NSSSSMP. This confused somewhat estimation of sockeye harvest within the North Shelikof unit. Tenders reported most deliveries as "Dakavak", as that was the nearest bay and the location the tenders were taking deliveries.

It was estimated by management biologists aboard the K-Hi-C that the North Shelikof unit harvest cap (15,000 sockeye) would likely be surpassed during this fishing period if fishing continued unabated. After monitoring some actual deliveries to ascertain average catch per boat and average percent sockeye within that catch, and conferring with the Area Management Biologist in Kodiak about processor reports, the management biologist aboard the K-Hi-C announced a closure of the North Shelikof Seaward Zones at the 8:00 am scheduled time. In accordance with the harvest strategy, the closure took place three hours after the announcement time, at 11:00 am July 14. The estimated total sockeye catch in the North Shelikof unit at the time of the closure was approximately 20,000 sockeye salmon. Postseason fish ticket summaries indicated that 22,830 sockeye had been harvested in the North Shelikof Unit from July 6 through July 14.

-Continued-

After the closure of the North Shelikof unit Seaward Zones approximately 30 vessels remained in the north Mainland District, fishing in the Shoreward Zone (particularly it Kinak Bay) and south in the Katmai Section. The postseason total from fish tickets summaries indicated that 38,800 sockeye had been harvested in the North Shelikof Unit from July 6 through July 25.

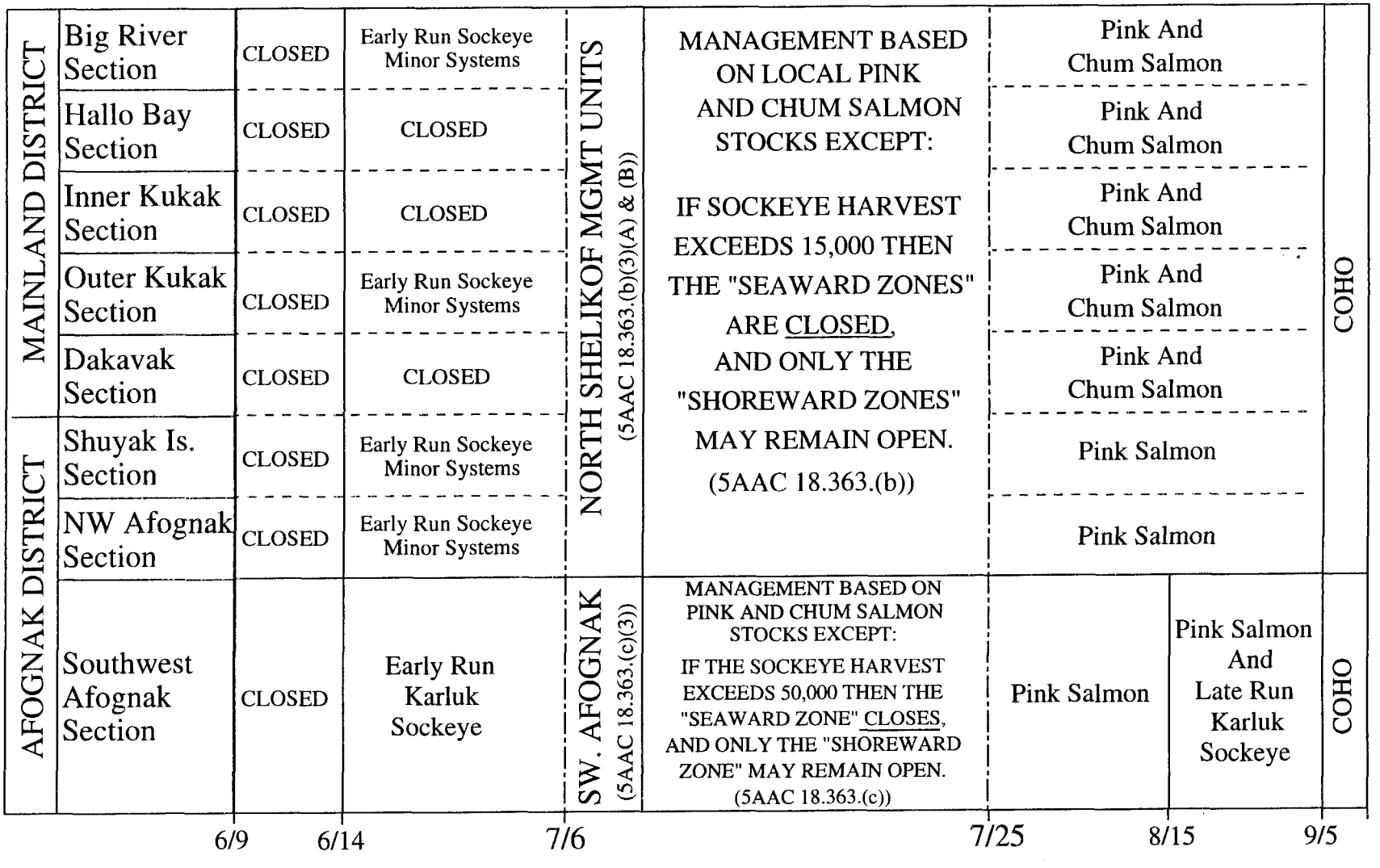
Fishing effort in the Southwest Afognak unit was light during this second fishing period. After this period only about 10,000 sockeye were estimated as coming from this unit for both openings.

At the opening of the third fishing period approximately thirty vessels fished the Katmai section, right near the boundary of the Dakavak Bay Section. Fishing was not good enough to keep the vessels there for long. Approximately fifteen vessels fished the Southwest Afognak unit. Fishing was fair, but with few sockeye in the catches. The number of sockeye salmon harvested in this period was not high enough to trigger a closure of the Seaward Zones. The commercial period closed as announced at 9:00 pm July 21. The estimated total harvest of sockeye salmon in the Southwest Afognak unit was approximately 20,000. Postseason fish ticket totals through July 25 indicate that 13,600 sockeye salmon were harvested.

The next scheduled fishing period for both areas covered by the plan began July 26, after the effective time period of the NSSSSMP.

The 1994 North Shelikof Unit harvest for the time period July 6 through July 25 totaled approximately 165 chinook, 38,800 sockeye, 2,400 coho, 52,000 pink, and 10,500 chum salmon, with 58 vessels participating (Appendix J.3 and Appendix P).

The 1994 Southwest Afognak Unit harvest for July 6 through July 25 are approximately 360 chinook, 13,600 sockeye, 1,000 coho, 64,300 pink, and 3,100 chum salmon, with 45 vessels participating (Appendix J.3 and Appendix P).



Appendix J.2. Primary management species and general fishery chronology in management units affected by the North Shelikof Strait Sockeye Salmon Management Plan for the Kodiak Management Area, 1994.

North Shelikof Units (15,000 Sockeye Harvest Cap) a/

YEAR	Total Number of Days Open to Fishing / Number of Days Seaward Zone Closed		Date and Time of Zone Closure	Sockeye Salmon Harvest at Time of Zone Closure	Number of Vessels	Total Harvest By Species July 6 through July 25					Upper Cook Inlet Sockeye Harvest
	MAINLAND	N. AFOGNAK				CHINOOK	SOCKEYE	COHO	PINK	CHUM	
1990	7.1 / 2.4	9.1 / 4.4	7/15 9 PM	36,800	69	140	57,700	3,900	18,600	19,400	3.6 MILLION
1991	7.1 / 0	13.1 / 0	No Zone Closure	N/A	42	2,500	18,800	2,700	44,800	3,800	2.2 MILLION
1992	7.1 / 5.1	9.1 / 7.1	7/8 1 PM	13,500	77	900	128,400	3,100	24,300	12,000	8.9 MILLION
1993	7.1 / 4.7	13.8 / 8.9	7/10 5 PM	15,220	89	1,200	78,400	2,000	75,600	4,200	4.7 MILLION
1994	7.1 / 2.8	9.1 / 4.8	7/14 11 AM	22,830	58	165	38,800	2,400	52,000	10,500	3.5 MILLION

a/ In 1988, from 7/6 - 7/25, with 6.9 days open to fishing 392,000 sockeye were harvested in the " North Shelikof Units". In Upper Cook Inlet 6,800,000 sockeye were harvested.

Southwest Afognak Section (50,000 Sockeye Harvest Cap) b/

YEAR	Total Number of Days Open to Fishing / Number of Days Seaward Zone Closed	Date and Time of Zone Closure	Sockeye Salmon Harvest at Time of Zone Closure	Number of Vessels	Total Harvest By Species July 6 through July 25					Upper Cook Inlet Sockeye Harvest
					CHINOOK	SOCKEYE	COHO	PINK	CHUM	
1990	9.1 / 0	No Zone Closure	N/A	64	300	22,900	3,600	53,800	6,000	3.6 MILLION
1991	13.1 / 0	No Zone Closure	N/A	55	300	34,200	3,600	100,700	4,000	2.2 MILLION
1992	9.1 / 4.7	7/14 1 PM	48,200	84	300	50,600	600	30,000	6,800	8.9 MILLION
1993	13.1 / 7.7	7/14 1 PM	45,900	87	860	74,000	7,100	243,000	7,400	4.7 MILLION
1994	9.1 / 0	No Zone Closure	N/A	45	360	13,600	1,000	64,300	3,100	3.5 MILLION

b/ In 1988, from 7/6 - 7/25, with 11.1 days open to fishing 86,000 sockeye were harvested in the "Southwest Afognak Unit". In Upper Cook Inlet 6,800,000 sockeye were harvested.

Appendix J.3. Summary of fishing time, zone closures, effort, and harvest by species, for management units affected by the North Shelikof Sockeye Salmon Management Plan for the Kodiak Management Area, 1990 - 1994.

Appendix K.1. Narrative of the pink salmon fisheries in the Kodiak Management Area, 1994.

INTRODUCTION

Though not a BOF management plan, there has been a specific harvest strategy guiding the pink salmon fisheries of KMA since the early 1970's. Pink salmon constitute the bulk of the KMA salmon harvest. In order to provide the best quality pink salmon to the market, fisheries are structured to harvest pink salmon as they first migrate into the nearshore zones. With Kodiak Archipelago's deep, protected bays and abundant fresh water runoff, if fish are allowed to build up in terminal areas they quickly darken (they take on the prespawning dark color and humped back) and decrease in quality.

Providing a preseason plan within which to structure fisheries is essential to the prosecution of orderly fisheries. The pink salmon preemergent fry sampling program, conducted annually since 1966, provides a reliable forecast of pink salmon returns. Based on the forecasted strength of the pink salmon run, fixed weekly fishing periods are planned for July and early August. If surveys of the escapement and inseason catch reports indicate the run has come in weaker or stronger than predicted adjustments to the length of fishing periods can be announced. However, an accurate assessment of run strength, which may result in modification of fishing periods, does not usually occur until after the third weekly period in July (after approximately July 25).

Since 1978 the fixed opening date for pink salmon fisheries in the KMA has been July 6. Many of the BOF approved management plans recognize this pink salmon harvest strategy, and the July 6 general pink salmon opening date is listed in the Westside Kodiak Management Plan (5AAC 18.362), the North Shelikof Strait Sockeye Salmon Management Plan (5AAC 18.363.), and the Eastside Afognak Management Plan (5AAC 18.365).

For pink salmon, based on good brood year escapements in 1992, generally good pink salmon fry over winter survival (the live fry index for the 1994 return ranked as the sixth highest on record for even year production), but poor spring conditions in 1993 (which negatively affects fry outmigration and near shore ocean survival), a harvest of 12.3 million wild pink salmon (range 10.8 to 13.7 million) was predicted. In addition, the Kitoi Hatchery manager forecasted a harvest of only 1.4 million hatchery produced pink salmon, despite the large number of fry released (137.8 reared fry and 31.8 million emergent fry). Poor spring conditions in 1993 led to a weak, late plankton bloom, and the condition of the fry on release was generally poor (see the following section on the Eastside Afognak fishery). The forecasted mid point 1994 KMA pink salmon harvest (projected total return minus escapement goals) was 13.7 million (range 12.2 to 17.8 million) (Appendix E.1.). However, in the Kodiak Area Commercial Salmon Fishery Harvest Strategy (R.I.R. 4K94-21), it was stated that it was likely the harvest might only approach the lower end of the forecast (12.2 million) due to poor spring conditions in 1993, and subsequent poor outmigration and near shore survival.

-Continued-

During previous years (1990, 1991, 1992) pink salmon returned to Kodiak Area streams at less than forecasted levels. For the 1992 return, poor early marine conditions may have been the main factor for the less than expected return. In 1990 and 1991 there were very low adult average weights, which points to poor ocean rearing conditions. Even year returns had been much larger than odd year returns prior to 1988, due mainly to production from major westside Kodiak systems (Karluk and Ayakulik rivers) which are even year dominant. Since 1989 odd year returns have been larger than even year returns, and the 1993 return was at record levels, with over 34 million pink salmon harvested in the KMA (22 million wild stock and 12 million hatchery pink salmon).

1994 General Pink Salmon Fishery

The initial fishing period for most management units where pink salmon are the targeted management species was set at 2 1/2 days per week, and subsequent periods were set at 3 1/2 days per week (Prokopowich, et al, 1994). Less fishing time was expected in management units where chum salmon is also a targeted management species. Fishing time for the Mainland District was set at only 2 1/2 days per week, to assure that Mainland chum salmon stocks were not overexploited. Projected fishing periods through July and August, which could be used for planning purposes by both ADF&G and industry, were listed in the harvest strategy (Table 17).

Due to strong returns of sockeye salmon to Karluk and to several minor sockeye systems, much of the Kodiak area was open just prior to July 6. Extension of fishing time in those areas was announced through the end of the initial pink salmon period (July 8). New areas along the eastside of Kodiak and on Afognak were also opened for 2 1/2 days (July 6-8), and the Mainland District, except for the Cape Igvak and Wide Bay Sections, was also opened for 2 1/2 days (July 6-8).

There were some areas which stayed closed, in consideration of weak returns. These included the Perenosa Bay Section (to protect the sockeye returning to Pauls Bay and Portage Creek), the Buskin River Section (to protect sockeye returning to the Buskin River), and the Wide Bay Section (to protect chum stocks). Also, to afford additional protection to small local sockeye stocks, closed waters were increased in the Inner Uganik Bay Section. Management of the Cape Igvak Section and the Alitak Bay District followed separate plans (Appendices G and H).

For the next three weeks there were 3 1/2 day openings for the Kodiak Archipelago management units (in the Northwest Kodiak, Eastside Kodiak, Northeast Kodiak, Alitak, and Afognak

-Continued-

Districts; July 12-15, July 19-22, and July 26-29), and 2 1/2 day fisheries for Mainland District management units (in the Alinchak, Katmai, Dakavak, Inner and Outer Kukak, Hallo Bay, and Big River Sections; July 12-14, July 19-21, and July 26-28)[1]. During the fourth period (July 26-29) much of the Southwest Kodiak District was also opened, in consideration of the expected large even year returns to westside streams. No extensions of these fisheries were permitted, to allow an influx of pink and chum salmon into terminal areas as potential escapement fish. Assessment of the early pink salmon buildups were favorable, with large buildups in all systems. Through August 1 approximately 3.7 million pink salmon were harvested, which was below the preseason projected harvest by that date. It was felt that it was too early to determine if the pink return was coming in as forecasted but was late, or if the run was weaker than forecast. Average size was larger than normal, with pink salmon averaging 3.8 pounds each. Catches near the end of the fourth period indicated a strong movement of pinks in the western and southern portions of the KMA.

The fifth general pink salmon fishing period began August 2, and was again announced for 3 1/2 days for the Kodiak portion (the Southwest Kodiak District remained closed, due to low pink salmon returns to Ayakulik and concern for pink and late sockeye returns to Karluk), and 2 1/2 days for the Mainland portions. Fewer areas on the Mainland were opened this period (Alinchak, Katmai and Dakavak Section). North Mainland management units remained closed (north of the Dakavak Section) because pink salmon catches were low during the previous periods and escapement surveys indicated lower than expected chum salmon returns. It appeared that the pink run might be coming in toward the low end of the forecast. Bay build ups and escapements into most KMA streams was good for this time.

Catches during this fifth period were good, averaging over 600,000 pinks per day. There were still good build ups of pink salmon in most inner bays and good numbers of pink salmon were entering most river systems. As stated in the 1994 Harvest Strategy (R.I.R 4K94-21) this fishing period should be the peak harvest period, providing normal timing occurs. It was also stated that extensions could occur if preseason expectations were valid. The Outer Karluk Section was opened for 33 hour on August 4, after escapements picked up and pink salmon appeared to be building in the lagoon.
Catches indicated a strong movement of pink salmon along the westside of Kodiak, and a 24 hour extension was allowed for the Northwest Kodiak District, the Afognak District except for those management unit associated with hatchery returns, and the Outer Karluk Section, through August 6.

-Continued-

[1] Some portions of the northern Mainland District were closed to fishing during this time. Due to excessive sockeye harvests, on July 14 the seaward zone of the North Shelikof Unit closed, in accordance with the North Shelikof Strait Sockeye Salmon Management Plan.

Through the end of the fifth weekly fishing period the total harvest was approximately 6.4 million pink salmon. Of that only 5.2 million were "wild" stock pinks, with the remaining 1.2 million coming from fisheries associated with the Kitoi Bay Hatchery (see section below on the 1994 Kitoi Hatchery Fisheries). Though catches seemed to indicate an increase in pink salmon moving along the westside of Kodiak the expected increases in pink escapements did not materialize. Because of concern for meeting escapement goals for Karluk and Ayakulik, and to assure goals were met in eastside streams there were no general pink salmon openings allowed during the sixth week, planned preseason for August 9-12.

By mid August it was apparent that the pink salmon return was significantly weaker than forecasted. Additionally, an unusually long period of low rainfall and warm weather reduced flows in most streams. Pink salmon were holding in the bays and there was concern for the survival of fish which had previously entered streams. Escapement of pinks to most systems of the Alitak Bay District, the Northeast and Northwest Kodiak Districts, and the Afognak District, were meeting minimum escapement goals. Escapements to the Eastside Kodiak District streams were poor to fair with many pink salmon still holding in the bays (Seven Rivers had good escapements to date but stream flow was extremely low, and few new fish were showing); chum salmon escapements to eastside streams were poor. Pink salmon escapements to the major Southwest Kodiak District systems, Karluk and Ayakulik, were well below the desired levels. Mainland District escapement of pink salmon was fair, but chum numbers were very low; stream flows were very low in Mainland streams.

A restricted fishing period was allowed August 16-18. Only a 2 1/2 day fishing period was allowed, and several areas remained closed. The Perenosa Bay Section of the Afognak District remained closed due to low pink escapements, and in the Eastside Kodiak District that portion of the Sitkalidak Section inside Kiliuda Bay and the Inner Ugak Bay Section remained closed to protect pink and chum escapements. This time period corresponds with the seventh general pink salmon opening. In the harvest strategy (R.I.R. 4K94-21) it is stated that a blended multi-species management approach is used during this period. It was desired to harvest incoming good quality pink salmon and late run sockeye salmon returning to Karluk. The catch of pink salmon during this period was approximately 575,000.

Warm weather and low rainfall during August continued to keep stream levels low and water temperatures warm, leading to concerns for pink salmon escapement survival. Again, a restricted 2 1/2 day fishing period was allowed during the last week of August (August 23-25. Only the Northwest Kodiak District, the Southwest Afognak Section, the Alitak Bay District, and portions of the Mainland District (Cape Igvak, Katmai, and the northern portion of the Big River Section) were open. Fishing in these areas were targeting mixed stocks of late run sockeye, chums, early coho, and pink salmon. Only approximately 200,000 pink salmon were harvested this period.

-Continued-

There were further commercial salmon fishing opening in the KMA, but these openings targeted late run sockeye, chums and coho salmon. The total 1994 harvest of wild stock pink salmon was approximately 8.2 million fish, and was significantly below the forecasted harvest in all districts, except for the Afognak District (Table 20).

Eastside Afognak Management Plan (5AAC 18.365)

In addition to a naturally occuring pink salmon population in the Kodiak Area, the Kitoi Bay Hatchery on the eastside of Afognak Island produces pink salmon. In 1990 the Board of Fisheries approved a regulatory management plan to govern the fisheries in the vicinity of the hatchery (Appendix C.1. page 8 and 9). Although occasionally modified, the plan has been in effect since 1981, and was formulated jointly by KMA commercial fishery managers and the Kitoi Bay Hatchery manager. It is the goal of this plan to achieve escapement and harvest objectives for salmon stocks of the Southeast Afognak, Duck Bay, Izhut Bay, and Kitoi Bay Section, and assure broodstock for the hatchery. The board intended that local stocks and hatchery fish be harvested within these sections. This plan details the key species and targeted stocks which are managed in each of these section throughout the fishing season (Appendix K.2.). The fisheries associated with the Kitoi Bay Hatchery mainly target on pink salmon. However, Kitoi Bay Hatchery also produces a small return of early chums and sockeye, and late returns of coho. The Kitoi Bay Section is normally closed to allow buildup and collection of fish for hatchery broodstock. Early July fisheries may be allowed if broodstock requirements are met for early chum salmon and sockeye salmon, and fisheries may be limited from late July to late August until pink salmon broodstock requirements are met.

The initial openings in July for pink salmon fisheries around Kitoi are scheduled to coincide with the general pink salmon fisheries. In the 1994 Harvest Strategy (R.I.R. 4K94-21) it was predicted that an opening in the normally closed Kitoi Bay Section may be allowed about the time of the fourth general opening, July 26, if it appears broodstock requirements will be met.

1994 Kitoi Hatchery Fisheries

The 1994 forecasted return of pink salmon was low, projected at 1.7 million pink salmon (range 1.7 to 4.4 million). Over 169 million pink salmon fry were released in 1993, most of which had been held in netpens in Kitoi Bay and fed for several weeks prior to release. Release was timed to coincide with natural plankton production, but spring weather conditions were very poor, with overcast cold weather predominating in March and early April. Survival was expected to be poor, so the projected return was the low end of the forecast. Only 270,000 pink salmon were needed for broodstock. There are no cost recovery fishery needs for the Kitoi Bay Hatchery.

-Continued-

The Southeast Afognak Section had been opened prior to the July 6 pink salmon opening because of strong sockeye returns to the Afognak River (Appendix N). This opening was extended through the July 6-8 fishing period, and the Duck Bay and Izhut Bay Sections were opened as well. These three sections were opened again July 12-15 and July 19-22, in conjunction with the second and third general pink openings. The Kitoi Bay Section remained closed, to protect returning early chum salmon which were needed for hatchery broodstock. Effort and catches were low, and early indications were that the return to the hatchery was coming in as forecasted.

During the fourth general pink salmon opening, July 26-29, commercial salmon fishing was again allowed in the Duck Bay and Izhut Bay Sections. It is desired to harvest the early segment of the hatchery return heavily, because of the high proportion of males in the early return. Reports from the hatchery manager and aerial surveys indicated that pink salmon were beginning to build inside Kitoi Bay, near the hatchery. By July 28 50,000 to 75,000 pink salmon were estimated to be in the vicicnity of the hatchery, and the percentage of males in outside catches was high. It was felt that these fish were in excess of the broodstock needs, so a short 9 hour fishery was allowed in the Kitoi Bay Section, on July 29. This coincided with the end of the fourth period. Interest was good and effort increased. Approximately 238,000 pink salmon were taken in all sections along the eastside of Afognak on July 29.

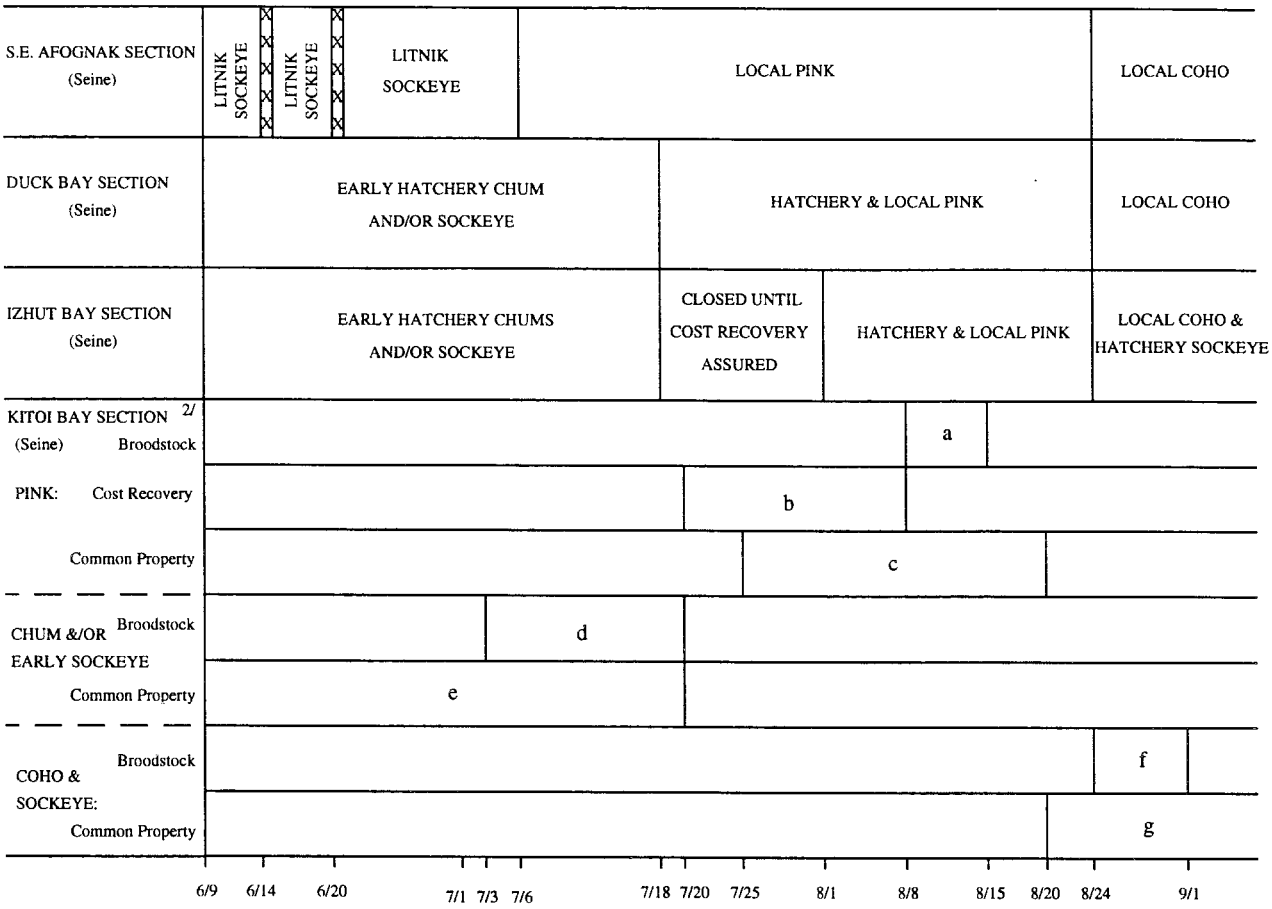
Fisheries were closed through August 2, the beginning of the fifth general pink salmon opening. Fish were continuing to build in Kitoi Bay, and again it was felt that it was important to harvest heavily the early part of the hatchery return, so the Kitoi Bay Section was again opened, along with the Duck Bay and Izhut Bay Sections. Catches were very good, averaging over 200,000 pink salmon per day, through August 5. The Duck Bay, Izhut Bay, and Kitoi Bay Sections closed as scheduled, to allow broodstock to build up near the hatchery. Through the end of this period, the total harvest of pink salmon ascribed to the hatchery was approximately 1.2 million. No further fisheries were allowed in the vicinity of the hatchery, through the first week of August, as broodstock entered the bay and were contained within a barrier net.

By August 8 the hatchery manager estimated that most of the pink salmon broodstock was contained within the net or was well up inside Kitoi Bay, and pink salmon in excess of broodstock needs were entering the bay. A 33 hour fishing period began August 10 for the Duck Bay and Izhut Bay Sections plus that portion of the Kitoi Bay Section outside of the jaws (inside the jaws in Kitoi Bay remained closed to allow additional fish to continue entering the barrier net). Catches for the first half day were good, and it was felt that the return to the hatchery was somewhat better than forecast. With pink salmon continuing to return to the hatchery, the fishery in the Duck Bay and Izhut Bay Sections was extended. The Kitoi Bay Section was allowed to close as scheduled to further protect salmon inside the bay which might be needed as broodstock. By August 19 broodstock needs were assured and that portion of the Kitoi Bay Section outside the jaws was reopened.

-Continued-

The Duck Bay and Izhut Bay Sections, and the outer portion of the Kitoi Bay Section were further extended to commercial salmon fishing 4 times through September 1. At that time these management units were extended "until further notice", through the end of the regulatory salmon fishing season, October 31. The final estimated pink salmon harvest from fisheries associated with the Kitoi Bay Hatchery was a 2.1 million pink salmon, from a total return of 2.4 million (Appendix K.3.). Approximately 9,000 sockeye, 5000 chum, and 46,000 coho salmon were also harvested.

TARGETED SPECIES BY SYSTEM AND TIME FOR SPECIFIC MANAGEMENT UNITS [1/]



- fishing time dependant upon sockeye escapement into Litnik system.

1 Included in this management plan are the harvest strategies for current natural and hatchery prodution as well as future hatchery production.

2 The management plan required for the Kitoi Bay Section is rather complicated in order to achieve broodstock, cost recovery, and common harvest requirements. This is further complicated by the multispecies production currently occurring at Kitoi Bay hatchery. The diagram shown attempts to approximate dates for when specific management strategies should be implemented to insure achievement of hatchery goals and an orderly harvest of quality common property fish.

a Hatchery pink salmon broodstock captured.
b Hatchery pink salmon cost recovery fishery when necessary.
c Hatchery pink salmon common property fishery.
d Hatchery chum and/or early sockeye salmon broodstock captured.
e Hatchery chum and/or early sockeye salmon common property fishery.
f Hatchery coho and late sockeye salmon broodstock captured.
g Hatchery coho and late sockeye salmon common property fishery.

Appendix K.2. Primary management species and fishery chronology of the Eastside Afognak Management Plan for the Kodiak Management Area, 1994.

Appendix K.3. Summary of the salmon returns to the Kitoi Bay Hatchery of the Kodiak Management Area, 1994.

	Total Harvest[a]		Hatchery Contribution Est. Percent of Total[b]		Hatchery Contribution Est. Number of Fish	
	Pink	Chum	Pink	Chum	Pink[c]	Chum
Common Property Harvest						
Kitoi Bay Section	519,255	1,088	100%	100%	519,255	1,088
Izhut Bay Section	820,076	3,257	90%	100%	738,068	3,257
Duck Bay Section	712,044	6,454	70%	100%	498,431	6,454
S.E. Afognak Section	47,857	2,096	60%	100%	28,714	2,096
Cost Recovery Harvest	0	0	100%	100%	0	0
Broodstock/Escapement	243,704	44,193	100%	100%	243,704	44,193
TOTAL	**2,342,936**	**57,088**	-	-	**2,028,172**	**57,088**

[a] Harvest information from Fish Ticket summaries.

[b] Percent of total harvest estimated to be from hatchery pink and chum salmon from tagging studies conducted in 1981 and 1982 (Probasco, personal communications 1993).

[c] The total 1994 pink salmon hatchery return of 2,342,936 adults resulted from a fry release in the spring of 1993 of approximately 137.8 million pen reared (fed) fry and 31.8 million volitionally released (unfed) fry.

Appendix L.1. Narrative account of the Crescent Lake coho salmon fishery in the Kodiak Management Area, 1994.

The Crescent Lake Coho Salmon Management Plan (5AAC 18.364), as adopted by the BOF in 1990, deals with the subsistence, sport, and commercial harvest of coho salmon stocked into Crescent lake, near the city of Port Lions (Figure 2, and Appendix C.1. page 8). Coho smolt were first stocked into this lake in 1988 by ADF&G, to increase sport and subsistence fishing opportunities. Since returning coho can not get above a barrier fall in Crescent Creek, this is intended as a put-and-take fishery, with all returning salmon harvested. This plan provides for commercial fisheries on coho salmon surplus to sport and subsistence needs. Commercial fishing is allowed in the area of Crescent Creek only after September 10, and then only if there are 500 or more coho salmon in this area available for harvest.

On September 8 the determination was made that sufficient coho were present in the vicinity of Crescent Creek to allow for commercial fishing. Aerial surveys documented 800 to 900 coho salmon remaining inside Settler Cove, in front of Port Lions, and reports from local villagers indicated that subsistence needs had been met. The Northwest Kodiak District was closed at that time, so a 30 hour opening of those waters inside Settler Cove between the breakwater and the causeway was allowed on September 10. Approximately 1,100 coho salmon were harvested in Settler Cove, and no further special fisheries were prosecuted in accordance with this management plan.

Appendix M.1. Narrative account of the Spiridon Lake sockeye salmon fishery in the Kodiak Management Area, 1994.

The Spiridon Lake Sockeye Salmon Management Plan (5AAC 18.366) was adopted by the Board of Fisheries in January of 1993 (Appendix C.1. page 9). It provides for the full utilization of sockeye salmon returns from the Spiridon Lake enhancement project, while providing adequate protection to local wild stocks of Spiridon Bay. Again, this salmon stocking project is intended as a put-and-take project. Sockeye fry have been stocked into Spiridon Lake since 1989, and the return of adults to the lake is prevented by a large set of barrier falls in the river. There is no suitable spawning habitat for sockeye salmon in Telrod Cove (the cove into which Spiridon Lake drains). Sockeye salmon returning are intended to be harvested in the existing fisheries along Kodiak's westside, but this plan provides for a terminal harvest area and a strategy to harvest sockeye salmon which may escape the fishery and return to the river mouth.

A significant return was expected in 1994, approximately 135,000 sockeye salmon. Sockeye salmon fry stocked into Spiridon Lake were from the late run Upper Station (Olga Lakes) stock, and the timing of the return was supposed to coincide with the pink salmon and late sockeye salmon fisheries in the Northwest Kodiak District. It was hoped the majority of the returning sockeye would be harvested in the Central Section of the Northwest Kodiak District during the planned general pink salmon fisheries occuring along Kodiak's westside, or during fisheries targeting late run Karluk sockeye salmon.

1994 Spiridon Fisheries

Through the month of July there were no special openings in the Spiridon terminal harvest area, though weekly openings along the westside of Kodiak and Afognak Islands were prosecuted, to harvest pink salmon (Appendix K). However, by the first week of August the ADF&G crew stationed in Spiridon Bay had documented approximately 1,500 sockeye salmon within the terminal harvest area. ADF&G employee's stationed in Spiridon Bay conducted surveys on a daily basis. Surveys were conducted from a skiff to assess the presence of enhanced sockeye which escaped the traditional commercial fishery areas.

On August 4 a four hour opening in the northern portion of the terminal harvest area was allowed to harvest enhanced sockeye salmon. To minimize the bycatch of salmon destined to the Spiridon River only that portion of the Spiridon Bay terminal harvest area east of 153°40' West longitude and north of 57°38'40" North latitude of the Northwest Kodiak District was opened (Appendix M.2.). Fishing began when a red flare was launched by the ADF&G crew at Telrod Cove.

Due to low returns of pink salmon to major streams along the westside of Kodiak Island the expected general pink salmon fisheries did not take place during the second week of August.

-Continued-

Sockeye salmon began building within the terminal harvest area, with approximately 5,000 sockeye in the area on August 8. Daily six hour fishing periods were announced, again in only a portion of the area. Fisheries began August 10 by flare, and were timed to coincide with the tides (Appendix R). Pink returns to westside streams remained less than forecasted, and westside fisheries were reduced (Appendix K). Catch rates were good, with over 10,000 sockeye per day entering the area. It was apparent that the return was stronger than forecast.

Special openings were continued, but were reduced to four hours per day beginning August 13, to minimize bycatch of salmon bound for Spiridon River (stream # 254-401; Appendix M.2.). Daily opening were further reduced to 2 hours per day on August 19, and daily two hour openings continued through September 17. At that time daily openings were announced for 3 hours per day for the remainder of the commercial salmon fishing season, October 31.

An estimated 68 purse seine vessels and one beach seiner participated in fisheries within the terminal harvest area (Schrof and Kansteiner, Unpublished Spiridon Lake Annual Report, ADF&G Kodiak). Many other vessels fished along the westside of Kodiak in traditional fishing areas during fisheries directed at pink and chum salmon, and late run Karluk sockeye salmon, and many caught some Spiridon bound sockeye salmon. Because of interest in this enhancement project, analysis of commercial catch samples from all westside Kodiak fisheries was conducted to determine the contribution of Spiridon sockeye. The total estimated harvest of Spiridon sockeye was 263,750, with approximately 44%, or 115,609 Spiridon sockeye harvested within the terminal harvest area (Nelson and Barrett, 1994).

Appendix N.1. Narrative account of the minor system sockeye salmon fisheries in the Kodiak Management Area, 1994.

INTRODUCTION

There are about 12 small sockeye systems in the KMA (Figure 2). Several of these minor sockeye systems were subject to directed fisheries in 1994, and will be briefly reviewed.

Saltery Sockeye Salmon Fishery

Saltery Creek (stream #259-415) is located in the Inner Ugak Section of the Eastside Kodiak District (Appendix A.6.). Run timing of this system is neither early or late, but falls mid season, beginning in late June and extending through early August (Barrett and Nelson, 1994). A fish counting weir is normally in place on this creek, which allows for accurate escapement monitoring, and more precise management of commercial fisheries to harvest salmon surplus to escapement needs. Escapement goals have been set for this system (Appendix B.1.). Though there is no regulatory Management Plan in effect for the area around Saltery Creek, there is a general management chronology for the Inner Ugak Section; which is directed toward sockeye salmon in June, is blended toward sockeye, pink and chum salmon from July 6-10, and is directed toward pink and chum salmon after July 10.

The Eastside Kodiak District was opened twice in June (June 14-15, and June 21-22), as is normal practice, to allow initial harvests of local sockeye salmon. As also has been the practice in past years, closed waters were reduced to the mouth of Saltery Creek, to allow an increased opportunity to harvest early Saltery sockeye. Only about 450 sockeye were harvested in nearby areas during these two openings. The Saltery weir was installed June 19 and sockeye escapements remained within the projected ranges through June (Figure 21). By July 3 the escapement totaled 4,862 sockeye, within established goals, but much less than the record 1993 return. It was felt that the return was coming in about as expected.

The Inner Ugak Section opened during weekly fishing periods in July and early August, in conjunction with the "general" pink salmon fisheries for most of the KMA (Appendix K). Weekly openings for the Eastside Kodiak District, which includes the Inner and Outer Ugak Sections, of 57 and 81 hours occured on July 6-8 and July 12-15. Catches in the Inner and Outer Ugak Sections were fair, with 9,593 sockeye but only 2,679 pink salmon harvested. The rate of sockeye escapement began to increase near mid July, and the cumulative escapement exceeded the upper goal on July 15.

By July 19 the escapement totaled 22,543 sockeye, well above the season minimum goal of 20,000 sockeye salmon. However, management is directed toward pink salmon at this time. Weekly fishing periods of 81 hours occurred July 19-22 and July 26-29, and in order to harvest excess sockeye before the peak of pink salmon escapement closed waters were reduced to the

-Continued-

stream terminus. A total of 6,263 sockeye and 2,232 pink salmon were harvested. An 81 hour period occurred August 2-5, which was extended 24 hours, though August 6, due to fair catches of pink salmon in some areas. Escapement into Saltery surpassed the season total goal of 40,000 sockeye salmon but catch and escapement of pink salmon was below expectations island wide (Appendix K), so fisheries were suspended through mid August.

Operation of the Saltery weir was taken over by KRAA in late August, and the camp did not close until September 21. The sockeye escapement at the time was 58,975, well above the desired escapement of 40,000 (Figure 21). The pink salmon escapement was estimated at 14,964, from a combination of aerial and weir counts (Appendix O). The total sockeye harvest in the Inner and Outer Ugak Section was 16,731 (Appendix P).

Afognak River Sockeye Salmon Fishery

The Afognak River (stream #252-342, also known as Litnik) is located in the Southeast Afognak Section (Appendix A.2.). Run timing of this system is basically early, beginning in late May and extending through early August, with the majority of the escapement passing into the stream in mid June (Barrett and Nelson, 1994). A fish counting weir is normally in place on this creek, which allows for accurate escapement monitoring, and more precise management of commercial fisheries to harvest salmon surplus to escapement needs. Escapement goals have been set for this system (Appendix B.1.), and management of the Southeast Afognak Section is directed toward sockeye salmon through July 15, toward local pink salmon from July 16 to August 24, and is directed toward coho salmon after August 25. This section is managed under the regulatory Eastside Afognak Management Plan (Appendix K).

The Litnik weir was installed May 27 and the sockeye count jumped to meet the lower interim goal by June 9. The Southeast Afognak Section was to be opened twice in June (June 14-15, and June 21-22), as is normal practice, to allow initial harvest of minor sockeye systems. However, due to good escapements and a large buildup of sockeye salmon in the lagoon, the initial June 14-15 33 hour fishing period was extended 72 hours. Effort and harvest were low, with only 934 sockeye harvested in areas adjacent to the stream.

The Southeast Afognak Section was extended an additional 72 hours, through June 21, and the closed water markers were moved in (reduced) to allow an increased opportunity to harvest sockeye. Almost 5,500 sockeye were harvested, but there was a substantial buildup of salmon in Afognak Bay, and escapement continued to exceed the desired interim level. The fishery was extended once more, then on June 22 it was announced that the Southeast Afognak Section would remain open, with the closed waters area reduced, until further notice.

-Continued-

Sockeye escapement surpassed the season goal of 60,000 on July 2, and commercial fishing remained open in the Southeast Afognak Section through July 8, the end of the first general pink salmon period. Though escapement goals had been met and fish continued to pass the weir in good number (600 to 1,800 per day), the harvests were low (less than 300 per day). The sockeye escapement on July 8 was 66,700, and harvest was approximately 21,800 sockeye. Management at that time switched toward pink salmon, with the Southeast Afognak Section opening in conjunction with the majority of the KMA during general pink salmon fisheries. The Litnik weir was pulled September 17 and the total sockeye escapement was 80,570 (Figure 21, Appendix O). At seasons end the total sockeye harvest from the Southeast Afognak Section was 22,693 (Appendix P).

Other Minor Sockeye Systems

The Uganik River (stream # 253-122) is located in the Inner Uganik Bay Section (Appendix A.3.). Run timing of this system is neither early nor late, but falls mid season, beginning in mid June and extending through early August, with the majority of the escapement coming in late June to early July (Barrett and Nelson, 1994). A fish counting weir has been used infrequently on this system, but because of the difficulties in operation of this weir and the constraints in the KMA management budget no weir was installed in 1994. Sockeye escapements were estimated by aerial survey. Escapement goals have been set for this system (40,000 to 60,000; Appendix B.1), and management is regulated by the BOF approved Westside Kodiak Management Plan (Appendix I).

The Inner Uganik Bay Section opened during the initial general sockeye salmon fishing period, June 9-10, along with most of the westside of Kodiak. Closed waters were increased, to a line from Mink Point to Packer's Spit, to provide additional protection for sockeye bound to the Uganik River. Catches were low, with 664 sockeye taken in this section. Catches along the westside of Kodiak were strong, and escapements into the major sockeye system of the area, the Karluk River, were very good. Fishing in most sections along the westside resumed June 14 and was extended several times, through July 8. Early aerial escapement estimates for the Uganik system showed a fair return, though conditions were poor. The peak aerial estimate was made on August 19, with 22,600 sockeye estimated in the lake. The sockeye harvest totaled 8,107 sockeye in the Inner Uganik Section, though some of these sockeye may be apportioned to Karluk stocks (this is done post season, and is documented in a seperate report).

The Malina and Little River systems (stream #251-105 and stream #253-115) are also located in sections managed under the Westside Kodiak Management Plan (Appendix A.2. and A.3.). The terminal areas for both streams are located in sections which are managed based on the sockeye returning to Karluk. Separating out the catches of Malina and Little River sockeye salmon is difficult since many of these fish are harvested during fisheries open to harvest Karluk bound

-Continued-

sockeye. Estimates using age compositions and scale analysis may be attempted in future publications. Escapements into the Malina River are monitored by weir and totaled 9,042 sockeye for the season, compared to the goals of 5,000 to 10,000 (Figure 22, Appendix O). Escapements into the Little River are estimated by aerial survey and the peak count was 4,200 sockeye, compared to the goals of 15,000 to 25,000 (Appendix O).

Akalura Creek (stream # 257-302) is located in a normally closed water section of Olga Bay, in the Inner Akalura Section (Appendix A.4.). Run timing of this stock is bimodal, with a small early segment from late May to early July, and a later run from late July through September, with the majority coming in mid to late August (Barrett and Nelson, 1994). These sections are managed in accordance with the Alitak Bay District Management Plan (Appendix H). These sections can only open if there is a large sockeye escapement, in excess of established goals. Escapement into Akalura is monitored by weir. The return of sockeye salmon to Akalura in 1994 was very weak. Through July 15 (the timing of the "early run") only 366 passed the weir, compared to the early run goal of 10,000 to 15,000 sockeye salmon. The late run to Akalura was also weak, and by seasons end only 13,681 total sockeye had escaped into the system, compared to the total escapement goal of 40,000 to 60,000 sockeye (Figure 23, Appendix O). There were no directed fisheries targeting Akalura bound sockeye, but undoubtably some were caught in the Alitak Bay District fisheries. Estimates of harvest of Akalura bound sockeye, using age compositions and scale analysis, are made in a seperate publication.

The Buskin River (stream #259-211) is located in the Buskin River Section, near the city of Kodiak (Appendix A.4.). The sockeye returning to this system are fully utilized by subsistence and sport harvesters, and is not normally subject to directed commercial fisheries. In 1994, this was again the case. Escapement totaled 11,783 sockeye salmon, within the goal of 10,000 to 15,000 (Figure 22, Appendix O).

Pauls and Portage Creeks (stream #251-831 and stream #251-825) are located in the Perenosa Bay Section on the north end of Afognak Island (Appendix A.2.). Run timing of these systems is basically early, beginning in late May and extending through early August, with the majority of the escapement passing into the streams in late June (Barrett and Nelson, 1994). A fish counting weir was placed on the Pauls Bay system, and the Perenosa system escapement was estimated from aerial surveys and stream walks. Escapements into both systems were below the established goals so no directed fisheries were allowed in this section in June. Escapement totaled 12,442 into Pauls Creek, compared to the season goal of 20,000 to 40,000 sockeye (Figure 23), and was estimated at 3,500 into Portage Creek, compared to the escapement goal of 5,000 to 10,000 sockeye salmon (Appendix O).

Appendix O.1. Commercial salmon harvest by management unit and statistical week, all gear combined, Kodiak Management Area, 1994.

SECTION (STAT. AREA)	STAT WEEK/ WEEK	END	CHINOOK #	CHINOOK LBS.	CHINOOK AVG.	SOCKEYE #	SOCKEYE LBS.	SOCKEYE AVG.	COHO #	COHO LBS.	COHO AVG.	PINK #	PINK LBS.	PINK AVG.	CHUM #	CHUM LBS.	CHUM AVG.
S.W.AFOGNAK & RASPBERRY	24	06/11	7	111	15.86	70	351	5.01	0	0	0.00	1	3	3.00	4	31	7.75
(COMBINED)	25	06/18	2605	28337	10.88	29502	124713	4.23	1	7	7.00	3876	10471	2.70	3079	22171	7.20
(251-10, 20)	26	06/25	923	9691	10.50	24158	104479	4.32	16	103	6.44	5325	14762	2.77	4317	27207	6.30
	27	07/02	460	4776	10.38	13695	60403	4.41	52	383	7.37	4129	13833	3.35	3431	22375	6.52
	28	07/09	212	2768	13.06	9893	45493	4.60	128	1012	7.91	17089	57496	3.36	2556	17808	6.97
	29	07/16	116	1700	14.66	4044	17438	4.31	433	3218	7.43	15467	56129	3.63	740	5119	6.92
	30	07/23	101	1333	13.20	4127	21311	5.16	475	3711	7.81	36504	138890	3.80	1207	9094	7.53
	31	07/30	175	2508	14.33	4602	24267	5.27	1000	8730	8.73	64400	219295	3.41	1887	16378	8.68
	32	08/06	136	2392	17.59	5514	32614	5.91	3340	26361	7.89	115586	426098	3.69	2407	18007	7.48
	33	08/13	56	792	14.14	315	1619	5.14	198	1587	8.02	2700	11723	4.34	81	686	8.47
	34	08/20	17	276	16.24	2133	11018	5.17	2757	23667	8.58	24656	85388	3.46	495	3689	7.45
	35	08/27	19	357	18.79	1835	9129	4.97	3579	31719	8.86	7718	29117	3.77	320	2409	7.53
	36	09/03	2	33	16.50	590	2906	4.93	2153	21406	9.94	1067	3518	3.30	41	277	6.76
TOTAL			4829	55074	11.40	100478	455741	4.54	14132	121904	8.63	298518	1066723	3.57	20565	145251	7.06
N.W.AFOGNAK	25	06/18	45	391	8.69	2468	10010	4.06	0	0	0.00	58	193	3.33	36	262	7.28
(251-30, 40, 50)	26	06/25	43	536	12.47	2044	9524	4.66	0	0	0.00	362	1108	3.06	368	2318	6.30
	28	07/09	1	26	26.00	3143	12906	4.11	92	549	5.97	5745	18241	3.18	586	3805	6.49
	29	07/16	11	215	19.55	760	4345	5.72	146	945	6.47	5113	18237	3.57	159	1002	6.30
	30	07/23	9	208	23.11	395	1431	3.62	20	164	8.20	18074	70973	3.93	379	2513	6.63
	31	07/30	11	187	17.00	419	2189	5.22	330	2620	7.94	44091	169824	3.85	557	3883	6.97
	32	08/06	8	115	14.38	646	3011	4.66	711	5506	7.74	40669	145638	3.58	196	1518	7.74
	34	08/20	3	50	16.67	1255	6371	5.08	5652	46907	8.30	12963	42235	3.26	233	1784	7.66
	36	09/03	0	0	0.00	208	1147	5.51	2316	21609	9.33	5	13	2.60	5	27	5.40
	37	09/10	0	0	0.00	0	0	0.00	2243	21614	9.64	4	16	4.00	0	0	0.00
	39	09/24	0	0	0.00	0	0	0.00	353	2772	7.85	0	0	0.00	0	0	0.00
TOTAL			131	1728	13.19	11338	50934	4.49	11863	102686	8.66	127084	466478	3.67	2519	17112	6.79
SHUYAK	30	07/23	0	0	0.00	37	150	4.05	1	8	8.00	3965	13483	3.40	12	67	5.58
(251-60, 70, 81)	31	07/30	1	5	5.00	170	651	3.83	11	80	7.27	12351	41718	3.38	1	5	5.00
	32	08/06	0	0	0.00	43	169	3.93	58	348	6.00	2169	8676	4.00	0	0	0.00
	33	08/13	0	0	0.00	0	0	0.00	0	0	0.00	3638	16327	4.49	0	0	0.00
	34	08/20	0	0	0.00	8	47	5.88	12347	92513	7.49	4543	16820	3.70	57	240	4.21
	39	09/24	0	0	0.00	0	0	0.00	1117	10967	9.82	0	0	0.00	0	0	0.00
TOTAL			1	5	5.00	258	1017	3.94	13534	103916	7.68	26666	97024	3.64	70	312	4.46
PERENOSA	32	08/06	6	163	27.17	133	715	5.38	899	5694	6.33	20185	79685	3.95	151	1003	6.64
(251-82,83)	33	08/13	0	0	0.00	6	27	4.50	33	323	9.79	3183	13557	4.26	18	124	6.89
	36	09/03	0	0	0.00	0	0	0.00	242	2200	9.09	0	0	0.00	0	0	0.00
	37	09/10	0	0	0.00	0	0	0.00	1342	12998	9.69	0	0	0.00	0	0	0.00
TOTAL			6	163	27.17	139	742	5.34	2516	21215	8.43	23368	93242	3.99	169	1127	6.67
N.E.AFOGNAK	28	07/09	197	1027	5.21	991	5037	5.08	516	3946	7.65	4217	12628	2.99	2458	14590	5.94
(251-90,252-10,20)	29	07/16	12	169	14.08	338	1642	4.86	111	832	7.50	2571	7480	2.91	136	981	7.21
	30	07/23	0	0	0.00	63	315	5.00	0	0	0.00	1046	2616	2.50	4	35	8.75
	31	07/30	4	81	20.25	243	1135	4.67	304	2372	7.80	20211	61912	3.06	127	990	7.80
	32	08/06	24	277	11.54	479	2558	5.34	2166	14449	6.67	56024	216911	3.87	758	4995	6.59
	33	08/13	0	0	0.00	92	471	5.12	359	2805	7.81	15845	44559	2.81	222	1625	7.32
TOTAL			237	1554	6.56	2206	11158	5.06	3456	24404	7.06	99914	346106	3.46	3705	23216	6.27
IZHUT	28	07/09	0	0	0.00	45	228	5.07	61	471	7.72	469	1633	3.48	306	1556	5.08
(252-30)	30	07/23	0	0	0.00	75	387	5.16	22	181	8.23	1893	6022	3.18	50	349	6.98
	31	07/30	1	14	14.00	78	428	5.49	89	569	6.39	32930	113964	3.46	809	5504	6.80
	32	08/06	10	119	11.90	712	3675	5.16	826	5958	7.21	399383	1458184	3.65	1450	10479	7.23
	33	08/13	13	136	10.46	423	2157	5.10	4298	32952	7.67	239153	854368	3.57	259	1736	6.70
	34	08/20	7	127	18.14	833	4203	5.05	8406	70855	8.43	109437	404521	3.70	239	1767	7.39
	35	08/27	0	0	0.00	136	665	4.89	6093	53738	8.82	31811	121394	3.82	32	172	5.38
	36	09/03	0	0	0.00	244	1406	5.76	3055	28675	9.39	4977	15969	3.21	109	762	6.99
	37	09/10	0	0	0.00	1	3	3.00	491	4222	8.60	23	96	4.17	3	16	5.33
TOTAL			31	396	12.77	2547	13152	5.16	23341	197621	8.47	820076	2976151	3.63	3257	22341	6.86

-Continued-

SECTION (STAT. AREA)	STAT WEEK	WEEK END	CHINOOK #	CHINOOK LBS.	CHINOOK AVG.	SOCKEYE #	SOCKEYE LBS.	SOCKEYE AVG.	COHO #	COHO LBS.	COHO AVG.	PINK #	PINK LBS.	PINK AVG.	CHUM #	CHUM LBS.	CHUM AVG.
KITOI BAY	31	07/30	0	0	0.00	199	1107	5.56	24	187	7.79	119204	428625	3.60	494	2815	5.70
(252-32)	32	08/06	5	41	8.20	344	1865	5.42	454	3056	6.73	301689	1085066	3.60	511	2779	5.44
	33	08/13	3	17	5.67	18	73	4.06	405	3211	7.93	61639	213680	3.47	28	223	7.96
	34	08/20	0	0	0.00	97	504	5.20	1532	12308	8.03	20532	75251	3.67	52	405	7.79
	35	08/27	0	0	0.00	7	30	4.29	2718	22602	8.32	7446	29739	3.99	0	0	0.00
	36	09/03	4	21	5.25	95	463	4.87	1387	12003	8.65	8745	26845	3.07	3	19	6.33
TOTAL			12	79	6.58	760	4042	5.32	6520	53367	8.19	519255	1859206	3.58	1088	6241	5.74
DUCK BAY	25	06/18	0	0	0.00	294	1471	5.00	0	0	0.00	0	0	0.00	67	460	6.87
(252-31)	26	06/25	14	155	11.07	1041	4478	4.30	1	6	6.00	954	2252	2.36	58	393	6.78
	28	07/09	218	1485	6.81	1340	6136	4.58	1380	9635	6.98	11701	40407	3.45	2716	19779	7.28
	29	07/16	33	562	17.03	2705	15390	5.69	772	5889	7.63	26191	82867	3.16	950	7179	7.56
	30	07/23	2	45	22.50	428	2341	5.47	140	1018	7.27	6908	26346	3.81	233	1323	5.68
	31	07/30	26	420	16.15	469	2766	5.90	384	2939	7.65	22907	91200	3.98	716	4501	6.29
	32	08/06	12	231	19.25	2381	12680	5.33	1412	11162	7.91	273264	859607	3.15	1081	8775	8.12
	33	08/13	16	159	9.94	631	3106	4.92	4652	36377	7.82	233035	853248	3.66	336	2316	6.89
	34	08/20	57	753	13.21	1507	7342	4.87	5255	46621	8.87	135630	464812	3.43	293	2260	7.71
	35	08/27	0	0	0.00	7	28	4.00	474	3433	7.24	746	2941	3.94	4	16	4.00
	36	09/03	0	0	0.00	24	116	4.83	913	8278	9.07	708	2138	3.02	0	0	0.00
	37	09/10	0	0	0.00	0	0	0.00	640	4479	7.00	0	0	0.00	0	0	0.00
TOTAL			378	3810	10.08	10827	55854	5.16	16023	129837	8.10	712044	2425818	3.41	6454	47002	7.28
S.E.AFOGNAK	25	06/18	0	0	0.00	934	3022	3.24	0	0	0.00	8	19	2.38	22	142	6.45
(252-33, 34, 35)	26	06/25	147	1438	9.78	11530	39179	3.40	0	0	0.00	630	1592	2.53	215	1444	6.72
	27	07/02	21	274	13.05	7991	29144	3.65	57	370	6.49	3039	9132	3.00	592	3085	5.21
	28	07/09	8	97	12.13	1358	6359	4.68	505	3996	7.91	15021	38988	2.60	891	6103	6.85
	29	07/16	0	0	0.00	485	2784	5.74	112	874	7.80	3614	13699	3.79	179	1337	7.47
	30	07/23	0	0	0.00	170	878	5.16	29	218	7.52	4889	18569	3.80	66	404	6.12
	31	07/30	3	50	16.67	21	70	3.33	0	0	0.00	1217	4714	3.87	14	102	7.29
	32	08/06	0	0	0.00	97	491	5.06	194	1657	8.54	9439	39711	4.21	82	482	5.88
	34	08/20	2	30	15.00	107	571	5.34	717	5899	8.23	10000	36965	3.70	35	285	8.14
TOTAL			181	1889	10.44	22693	82498	3.64	1614	13014	8.06	47857	163389	3.41	2096	13384	6.39
CENTRAL, TERROR BAY,	24	06/11	396	4990	12.60	25181	111619	4.43	0	0	0.00	162	463	2.86	1401	9836	7.02
INNER UGANIK, SPIRIDON,	25	06/18	1804	22442	12.44	80049	357321	4.46	14	88	6.29	4112	12894	3.14	14638	98927	6.76
ZACHAR, & UYAK COMBINED	26	06/25	994	14789	14.88	80514	387251	4.81	39	267	6.85	4740	17201	3.63	17566	123990	7.06
(253-11, 12, 13, 14,31,	27	07/02	572	8432	14.74	70579	345238	4.89	179	1383	7.73	20631	78886	3.82	20819	152922	7.35
32, 33, 35, 254-10, 20	28	07/09	725	10415	14.37	68238	340626	4.99	3001	21421	7.14	179631	669516	3.73	31750	230260	7.25
30, 40, 50)	29	07/16	611	9778	16.00	41574	219430	5.28	4198	31798	7.57	321873	1256694	3.90	36719	285623	7.78
	30	07/23	417	6912	16.58	39488	204337	5.17	2045	16281	7.96	576908	2275461	3.94	41702	331138	7.94
	31	07/30	253	4655	18.40	46502	244834	5.27	4311	35507	8.24	701205	2722840	3.88	30541	236185	7.73
	32	08/06	301	5340	17.74	97829	519379	5.31	13248	112291	8.48	648401	2584484	3.99	18376	138581	7.54
	33	08/13	95	1424	14.99	68470	354211	5.17	1829	14898	8.15	60947	215177	3.53	1112	8587	7.72
	34	08/20	73	1167	15.99	102719	520985	5.07	15385	136665	8.88	296328	1130324	3.81	5761	41595	7.22
	35	08/27	83	1672	20.14	138787	699012	5.04	29039	283312	9.76	175224	673576	3.84	6211	44601	7.18
	36	09/03	36	677	18.81	40317	200458	4.97	18875	196768	10.42	20014	74510	3.72	1373	9559	6.96
	37	09/10	0	0	0.00	5864	30580	5.21	700	5850	8.36	313	1090	3.48	18	117	6.50
	38	09/17	0	0	0.00	7445	40791	5.48	799	5633	7.05	0	0	0.00	38	263	6.92
	39	09/24	50	870	17.40	10141	48351	4.77	847	7411	8.75	1	4	4.00	26	151	5.81
	40	10/01	3	56	18.67	785	3831	4.88	12	109	9.08	0	0	0.00	2	15	7.50
	42	10/15	0	0	0.00	53	318	6.00	0	0	0.00	0	0	0.00	0	0	0.00
TOTAL			6413	93619	14.60	924535	4628572	5.01	94521	869682	9.20	3010490	11713120	3.89	228053	1712350	7.51
NORTH CAPE, ANTON	24	06/11	20	220	11.00	2109	9741	4.62	0	0	0.00	207	527	2.55	1379	9331	6.77
LARSEN, SHERATIN, &	25	06/18	8	152	19.00	1456	6955	4.78	0	0	0.00	211	732	3.47	103	703	6.83
KIZHUYAK COMBINED	26	06/25	18	228	12.67	3933	19921	5.07	15	102	6.80	860	2549	2.96	479	3055	6.38
(259-36, 37, 38, 39)	27	07/02	13	177	13.62	5302	29194	5.51	135	816	6.04	1555	5916	3.80	844	5763	6.83
	28	07/09	12	204	17.00	2639	14403	5.46	1279	8652	6.76	8691	29566	3.40	3562	24109	6.77

-Continued-

SECTION (STAT. AREA)	STAT WEEK	WEEK END	CHINOOK #	CHINOOK LBS.	CHINOOK AVG.	SOCKEYE #	SOCKEYE LBS.	SOCKEYE AVG.	COHO #	COHO LBS.	COHO AVG.	PINK #	PINK LBS.	PINK AVG.	CHUM #	CHUM LBS.	CHUM AVG.
	29	07/16	22	251	11.41	6391	34647	5.42	2780	19213	6.91	80690	287300	3.56	3747	26535	7.08
	30	07/23	13	276	21.23	6856	32167	4.69	580	4151	7.16	67363	242037	3.59	3645	27988	7.68
	31	07/30	9	124	13.78	2137	11166	5.23	1277	9360	7.33	55439	233185	4.21	2499	18191	7.28
	32	08/06	8	164	20.50	2014	11013	5.47	920	6634	7.21	55829	235938	4.23	3206	24816	7.74
	33	08/13	0	0	0.00	26	150	5.77	36	238	6.61	4093	14438	3.53	79	559	7.08
	34	08/20	4	32	8.00	1145	5922	5.17	1567	13207	8.43	11465	45358	3.96	1225	9149	7.47
	35	08/27	12	136	11.33	379	2335	6.16	4725	42874	9.07	3809	16538	4.34	1928	14665	7.61
	36	09/03	0	0	0.00	31	182	5.87	2258	20854	9.24	118	546	4.63	185	1501	8.11
	37	09/10	0	0	0.00	4	27	6.75	783	6282	8.02	10	37	3.70	3	23	7.67
	38	09/17	0	0	0.00	3	11	3.67	408	3527	8.64	0	0	0.00	1	7	7.00
TOTAL			139	1964	14.13	34425	177834	5.17	16763	135910	8.11	290340	1114667	3.84	22885	166395	7.27
OUTER KARLUK	25	06/18	324	4374	13.50	4581	19452	4.25	0	0	0.00	154	475	3.08	1382	8646	6.26
(255-20)	26	06/25	779	11244	14.43	20322	84083	4.14	1	8	8.00	250	781	3.12	4352	27160	6.24
	27	07/02	184	2822	15.34	20564	80784	3.93	2	18	9.00	1988	6803	3.42	3749	26888	7.17
	28	07/09	185	2558	13.83	18130	79547	4.39	47	365	7.77	6988	26385	3.78	4339	26705	6.15
	29	07/16	10	253	25.30	2290	10953	4.78	17	124	7.29	3683	12972	3.52	235	1539	6.55
	30	07/23	50	751	15.02	8843	42517	4.81	313	2416	7.72	30584	132324	4.33	1671	11391	6.82
	31	07/30	31	672	21.68	4545	21764	4.79	389	3197	8.22	34440	126616	3.68	472	3825	8.10
	32	08/06	0	0	0.00	2366	10874	4.60	52	466	8.96	8893	35837	4.03	13	82	6.31
TOTAL			1563	22674	14.51	81641	349974	4.29	821	6594	8.03	86980	342193	3.93	16213	106236	6.55
INNER KARLUK	25	06/18	959	13155	13.72	14764	70953	4.81	0	0	0.00	167	489	2.93	4589	29061	6.33
(255-10)	26	06/25	1534	23012	15.00	32993	148159	4.49	2	14	7.00	663	1943	2.93	8807	56039	6.36
	27	07/02	546	8487	15.54	21872	94419	4.32	10	72	7.20	1756	5726	3.26	11344	72499	6.39
	28	07/09	550	7235	13.15	28106	125947	4.48	97	722	7.44	17402	62208	3.57	11792	74925	6.35
	29	07/16	43	788	18.33	10226	47111	4.61	48	346	7.21	6503	25646	3.94	1644	9712	5.91
	30	07/23	20	325	16.25	2223	11080	4.98	0	0	0.00	5964	26859	4.50	79	517	6.54
	31	07/30	32	599	18.72	3496	16440	4.70	267	2308	8.64	30003	94515	3.15	287	2214	7.71
	32	08/06	1	12	12.00	519	2382	4.59	4	23	5.75	1464	6298	4.30	3	24	8.00
	39	09/24	0	0	0.00	594	2968	5.00	258	1809	7.01	0	0	0.00	4	30	7.50
	40	10/01	0	0	0.00	2221	8359	3.76	161	1858	11.54	0	0	0.00	0	0	0.00
TOTAL			3685	53613	14.55	117014	527818	4.51	847	7152	8.44	63922	223684	3.50	38549	245021	6.36
STURGEON (256-40)	31	07/30	7	109	15.57	774	3887	5.02	17	167	9.82	2064	6651	3.22	14	103	7.36
TOTAL			7	109	15.57	774	3887	5.02	17	167	9.82	2064	6651	3.22	14	103	7.36
HALIBUT BAY	30	07/23	26	590	22.69	14692	72478	4.93	110	918	8.35	17077	66855	3.91	310	2320	7.48
(256-25, 30)	31	07/30	154	2363	15.34	18441	87759	4.76	321	2808	8.75	54513	181023	3.32	244	2014	8.25
	32	08/06	37	609	16.46	4348	21704	4.99	547	4241	7.75	22762	89643	3.94	196	1405	7.17
	33	08/13	43	579	13.47	4250	20454	4.81	447	3388	7.58	15795	42011	2.66	1248	8906	7.14
	35	08/27	1	22	22.00	4700	24489	5.21	485	4796	9.89	2858	10950	3.83	191	1362	7.13
	36	09/03	4	44	11.00	6606	32925	4.98	2199	21015	9.56	960	3487	3.63	192	1331	6.93
TOTAL			265	4207	15.88	53037	259809	4.90	4109	37166	9.05	113965	393969	3.46	2381	17338	7.28
INNER & OUTER AYAKULIK	30	07/23	7	117	16.71	19554	92221	4.72	133	1046	7.86	7769	30945	3.98	317	2538	8.01
(256-10, 20)	31	07/30	7	170	24.29	10983	51238	4.67	4	37	9.25	13855	57063	4.12	55	422	7.67
	32	08/06	3	69	23.00	12021	55451	4.61	19	163	8.58	12788	54471	4.26	43	254	5.91
	35	08/27	2	36	18.00	4250	22908	5.39	389	3222	8.28	2506	9745	3.89	188	1321	7.03
	36	09/03	6	73	12.17	3540	18906	5.34	4877	53877	11.05	479	1819	3.80	132	951	7.20
	37	09/10	4	75	18.75	2975	15265	5.13	1317	15295	11.61	235	832	3.54	183	1098	6.00
TOTAL			29	540	18.62	53323	255989	4.80	6739	73640	10.93	37632	154875	4.12	918	6584	7.17
CAPE ALITAK	24	06/11	237	3222	13.59	9161	39872	4.35	0	0	0.00	1	4	4.00	45	401	8.91
(257-10, 20)	25	06/18	145	2576	17.77	4633	20643	4.46	0	0	0.00	18	69	3.83	153	852	5.57
	26	06/25	499	8467	16.97	54076	248030	4.59	1	12	12.00	996	4370	4.39	756	6075	8.04
	27	07/02	355	7138	20.11	68468	312494	4.56	26	199	7.65	2229	8999	4.04	2215	17923	8.09
	28	07/09	165	2984	18.08	43667	198680	4.55	150	1205	8.03	5416	21322	3.94	1751	13051	7.45

-Continued-

SECTION (STAT. AREA)	STAT WEEK	WEEK END	CHINOOK #	CHINOOK LBS.	CHINOOK AVG.	SOCKEYE #	SOCKEYE LBS.	SOCKEYE AVG.	COHO #	COHO LBS.	COHO AVG.	PINK #	PINK LBS.	PINK AVG.	CHUM #	CHUM LBS.	CHUM AVG.
	29	07/16	75	1398	18.64	61228	288358	4.71	165	1188	7.20	19432	76772	3.95	4944	38638	7.82
	30	07/23	32	839	26.22	30194	144917	4.80	100	773	7.73	66762	278548	4.17	2750	21277	7.74
	31	07/30	29	637	21.97	13850	66064	4.77	72	650	9.03	94242	391813	4.16	1298	10159	7.83
	32	08/06	56	1349	24.09	18034	89891	4.98	474	4099	8.65	112546	497022	4.42	2733	22256	8.14
	34	08/20	18	422	23.44	21447	101880	4.75	811	6735	8.30	10787	46755	4.33	2355	18935	8.04
	35	08/27	10	226	22.60	5114	27009	5.28	1653	15281	9.24	1854	7448	4.02	680	5553	8.17
	36	09/03	16	284	17.75	15705	84687	5.39	2855	27641	9.68	344	1126	3.27	1320	9827	7.44
	37	09/10	9	190	21.11	9530	50502	5.30	3794	34941	9.21	81	318	3.93	783	5818	7.43
	38	09/17	0	0	0.00	1421	7276	5.12	376	3929	10.45	0	0	0.00	342	2288	6.69
TOTAL			1646	29732	18.06	356528	1680303	4.71	10477	96653	9.23	314708	1334566	4.24	22125	173053	7.82
MOSER/OLGA BAY &	23	06/04	0	0	0.00	61	272	4.46	0	0	0.00	0	0	0.00	0	0	0.00
DOG SALMON FLATS	24	06/11	19	402	21.16	11454	55103	4.81	1	3	3.00	4	15	3.75	64	469	7.33
(257-40, 41)	25	06/18	13	244	18.77	21029	100418	4.78	0	0	0.00	34	136	4.00	143	1088	7.61
	26	06/25	33	527	15.97	39190	188397	4.81	1	6	6.00	76	275	3.62	343	2667	7.78
	27	07/02	29	396	13.66	76986	368074	4.78	34	252	7.41	634	2407	3.80	848	6747	7.96
	28	07/09	17	357	21.00	46591	223902	4.81	91	693	7.62	2288	9048	3.95	759	5693	7.50
	29	07/16	10	176	17.60	44842	225145	5.02	275	2034	7.40	7495	29927	3.99	1318	9816	7.45
	30	07/23	5	75	15.00	40428	201701	4.99	75	570	7.60	7716	31904	4.13	1254	9652	7.70
	31	07/30	6	120	20.00	40000	203235	5.08	133	968	7.28	21827	94464	4.33	511	4077	7.98
	32	08/06	2	43	21.50	21563	114239	5.30	261	2172	8.32	34537	150418	4.36	918	7692	8.38
	34	08/20	12	126	10.50	18295	98161	5.37	1005	9369	9.32	14932	64973	4.35	1622	12565	7.75
	35	08/27	3	47	15.67	36165	195054	5.39	3321	34792	10.48	5110	20869	4.08	4254	33674	7.92
	36	09/03	0	0	0.00	40052	211278	5.28	4526	48145	10.64	1182	4470	3.78	4295	33065	7.70
	37	09/10	3	51	17.00	26869	141711	5.27	4368	47285	10.83	76	264	3.47	6772	54598	8.06
	38	09/17	0	0	0.00	12474	65160	5.22	2294	23727	10.34	0	0	0.00	1728	12463	7.21
	39	09/24	0	0	0.00	6266	33497	5.35	386	4045	10.48	0	0	0.00	397	2460	6.20
	40	10/01	0	0	0.00	460	2556	5.56	3	31	10.33	0	0	0.00	81	394	4.86
TOTAL			152	2564	16.87	482725	2427903	5.03	16774	174092	10.38	95911	409170	4.27	25307	197120	7.79
IN/OUT AKALURA (257-30)	35	08/27	0	0	0.00	21311	107080	5.02	274	2717	9.92	202	860	4.26	26	205	7.88
TOTAL			0	0	0.00	21311	107080	5.02	274	2717	9.92	202	860	4.26	26	205	7.88
HUMPY/DEADMAN	24	06/11	5	113	22.60	171	698	4.08	0	0	0.00	0	0	0.00	1	12	12.00
(257-50, 60, 70)	25	06/18	44	1061	24.11	8339	37065	4.44	0	0	0.00	41	133	3.24	67	560	8.36
	26	06/25	26	530	20.38	8822	39623	4.49	1	9	9.00	86	287	3.34	87	866	9.95
	27	07/02	6	168	28.00	13269	57430	4.33	2	14	7.00	280	994	3.55	309	2746	8.89
	28	07/09	30	542	18.07	15029	68959	4.59	72	491	6.82	2995	11647	3.89	653	5768	8.83
	29	07/16	16	369	23.06	7935	40224	5.07	52	396	7.62	5724	22695	3.96	588	4157	7.07
	30	07/23	0	0	0.00	1435	7039	4.91	1	5	5.00	3290	13572	4.13	362	3329	9.20
	31	07/30	8	173	21.63	3731	19525	5.23	73	553	7.58	239231	999909	4.18	1534	13086	8.53
	32	08/06	3	92	30.67	2956	15009	5.08	90	630	7.00	368412	1575374	4.28	21552	170176	7.90
	34	08/20	2	61	30.50	1462	7029	4.81	136	1106	8.13	73553	325881	4.43	11863	96684	8.15
	35	08/27	4	128	32.00	4581	24539	5.36	1360	12396	9.11	14867	60267	4.05	8499	72457	8.53
	36	09/03	4	92	23.00	3025	16145	5.34	2260	21489	9.51	1532	6113	3.99	14228	122990	8.64
	37	09/10	0	0	0.00	1089	5804	5.33	671	6860	10.22	0	0	0.00	4561	38352	8.41
	38	09/17	0	0	0.00	69	343	4.97	69	647	9.38	0	0	0.00	434	3153	7.26
TOTAL			148	3329	22.49	71913	339432	4.72	4787	44596	9.32	710011	3016872	4.25	64738	534336	8.25
SEVEN RIVERS	25	06/18	33	319	9.67	6461	32376	5.01	0	0	0.00	4035	11111	2.75	992	6630	6.68
(258-70,80,83,85,90)	26	06/25	58	768	13.24	5658	26505	4.68	6	42	7.00	2776	7959	2.87	2139	14893	6.96
	28	07/09	41	519	12.66	2500	10855	4.34	102	960	9.41	1580	4835	3.06	1864	17200	9.23
	29	07/16	64	676	10.56	6242	27499	4.41	1427	11244	7.88	9250	26274	2.84	2380	18409	7.73
	30	07/23	9	83	9.22	464	2526	5.44	469	3639	7.76	767	3114	4.06	31	207	6.68
	31	07/30	2	26	13.00	64	280	4.38	1	5	5.00	56271	242307	4.31	162	1137	7.02
	32	08/06	0	0	0.00	32	157	4.91	1	10	10.00	47803	204984	4.29	324	2643	8.16
	34	08/20	0	0	0.00	0	0	0.00	0	0	0.00	7600	31995	4.21	2	21	10.50
TOTAL			207	2391	11.55	21421	100198	4.68	2006	15900	7.93	130082	532579	4.09	7894	61140	7.75

-Continued-

SECTION (STAT. AREA)	STAT WEEK	WEEK/ END	CHINOOK #	CHINOOK LBS.	CHINOOK AVG.	SOCKEYE #	SOCKEYE LBS.	SOCKEYE AVG.	COHO #	COHO LBS.	COHO AVG.	PINK #	PINK LBS.	PINK AVG.	CHUM #	CHUM LBS.	CHUM AVG.
TWO HEADED	25	06/18	44	690	15.68	2204	10977	4.98	0	0	0.00	1188	3330	2.80	534	3980	7.45
(258-54, 55, 60)	26	06/25	18	190	10.56	1776	8173	4.60	2	14	7.00	188	453	2.41	444	2948	6.64
	28	07/09	94	1385	14.73	6367	31054	4.88	82	618	7.54	5178	19146	3.70	5325	34983	6.57
	29	07/16	15	178	11.87	10834	59588	5.50	1875	13959	7.44	8471	32701	3.86	2536	18453	7.28
	30	07/23	5	43	8.60	1192	6452	5.41	855	6904	8.07	2937	12856	4.38	275	2197	7.99
	31	07/30	2	73	36.50	90	472	5.24	65	652	10.03	1399	6101	4.36	235	2287	9.73
	32	08/06	9	137	15.22	148	801	5.41	51	430	8.43	7431	31060	4.18	5077	48099	9.47
	34	08/20	0	0	0.00	4	24	6.00	5	60	12.00	600	2660	4.43	3230	24435	7.57
TOTAL			187	2696	14.42	22615	117541	5.20	2935	22637	7.71	27392	108307	3.95	17656	137382	7.78
SITKALIDAK	26	06/25	5	79	15.80	1244	6263	5.03	0	0	0.00	425	1278	3.01	128	887	6.93
(258-10, 20, 30, 40,	28	07/09	304	3845	12.65	17209	86133	5.01	6793	45651	6.72	11477	38357	3.34	27987	177410	6.34
51, 52, 53)	29	07/16	51	909	17.82	15963	84825	5.31	4534	31776	7.01	11833	45975	3.89	5133	38638	7.53
	30	07/23	8	187	23.38	2925	14150	4.84	329	2440	7.42	30155	133448	4.43	3654	28908	7.91
	31	07/30	88	1642	18.66	7890	37988	4.81	1596	7931	4.97	86696	359088	4.14	9210	73306	7.96
	32	08/06	51	920	18.04	3673	17343	4.72	432	3751	8.68	141398	601878	4.26	21064	167856	7.97
	34	08/20	43	807	18.77	661	3280	4.96	1280	10220	7.98	22213	85709	3.86	36331	285140	7.85
	39	09/24	1	18	18.00	9	45	5.00	849	7797	9.18	0	0	0.00	100	598	5.98
	40	10/01	0	0	0.00	0	0	0.00	13	153	11.77	0	0	0.00	32	286	8.94
TOTAL			551	8407	15.26	49574	250027	5.04	15826	109719	6.93	304197	1265733	4.16	103639	773029	7.46
INNER & OUTER UGAK	26	06/25	0	0	0.00	449	2157	4.80	0	0	0.00	178	519	2.92	149	1019	6.84
(259-40, 41, 42)	28	07/09	120	1666	13.88	6595	33616	5.10	713	4372	6.13	1897	6249	3.29	3724	24281	6.52
	29	07/16	10	130	13.00	2998	14751	4.92	0	0	0.00	782	2239	2.86	371	2895	7.80
	30	07/23	11	286	26.00	3544	18129	5.12	111	890	8.02	899	2838	3.16	379	2710	7.15
	31	07/30	16	280	17.50	2719	11765	4.33	0	0	0.00	1213	5611	4.63	1142	8852	7.75
	32	08/06	2	53	26.50	301	1503	4.99	345	2070	6.00	2829	12704	4.49	6301	50669	8.04
	34	08/20	26	505	19.42	125	566	4.53	141	1089	7.72	6562	17221	2.62	26873	209430	7.79
	39	09/24	0	0	0.00	0	0	0.00	674	4715	7.00	0	0	0.00	0	0	0.00
TOTAL			185	2920	15.78	16731	82487	4.93	1984	13136	6.62	14360	47381	3.30	38939	299856	7.70
OUTER CHINIAK	26	06/25	8	86	10.75	500	2251	4.50	0	0	0.00	120	300	2.50	31	251	8.10
(259-21, 25)	28	07/09	277	1646	5.94	2997	15216	5.08	2640	18165	6.88	6873	20622	3.00	12647	73856	5.84
	29	07/16	19	162	8.53	255	1250	4.90	179	1319	7.37	2900	7467	2.57	122	974	7.98
	30	07/23	0	0	0.00	49	246	5.02	16	134	8.38	817	2046	2.50	29	238	8.21
	31	07/30	1	3	3.00	4	15	3.75	7	60	8.57	9698	30319	3.13	79	718	9.09
	32	08/06	0	0	0.00	37	174	4.70	19	148	7.79	9505	28132	2.96	932	7895	8.47
	33	08/13	0	0	0.00	10	65	6.50	0	0	0.00	2418	8469	3.50	117	810	6.92
	34	08/20	0	0	0.00	0	0	0.00	79	584	7.39	173	523	3.02	2473	19365	7.83
	39	09/24	0	0	0.00	0	0	0.00	18	230	12.78	0	0	0.00	0	0	0.00
TOTAL			305	1897	6.22	3852	19217	4.99	2958	20640	6.98	32504	97878	3.01	16430	104107	6.34
INNER CHINIAK	32	08/06	3	48	16.00	14	90	6.43	2	14	7.00	19328	63481	3.28	512	4089	7.99
(259-23, 24)	34	08/20	0	0	0.00	0	0	0.00	0	0	0.00	206	517	2.51	375	3004	8.01
TOTAL			3	48	16.00	14	90	6.43	2	14	7.00	19534	63998	3.28	887	7093	8.00
BUSKIN RIVER (259-22)	32	08/06	0	0	0.00	1	4	4.00	1	5	5.00	566	1980	3.50	495	3469	7.01
	34	08/20	0	0	0.00	2	10	5.00	14	86	6.14	390	1366	3.50	678	4071	6.00
TOTAL			0	0	0.00	3	14	4.67	15	91	6.07	956	3346	3.50	1173	7540	6.43
MONASHKA/MILL BAY	30	07/23	0	0	0.00	0	0	0.00	0	0	0.00	300	1474	4.91	1	6	6.00
(259-10)	32	08/06	0	0	0.00	7	35	5.00	5	40	8.00	15636	47270	3.02	27	190	7.04
	33	08/13	0	0	0.00	0	0	0.00	7	70	10.00	894	4049	4.53	107	893	8.35
	34	08/20	0	0	0.00	12	47	3.92	99	936	9.45	21963	74483	3.39	6	41	6.83
	39	09/24	0	0	0.00	0	0	0.00	538	4303	8.00	0	0	0.00	0	0	0.00
TOTAL			0	0	0.00	19	82	4.32	649	5349	8.24	38793	127276	3.28	141	1130	8.01

-Continued-

SECTION (STAT. AREA)	STAT WEEK/ WEEK	END	CHINOOK #	CHINOOK LBS.	CHINOOK AVG.	SOCKEYE #	SOCKEYE LBS.	SOCKEYE AVG.	COHO #	COHO LBS.	COHO AVG.	PINK #	PINK LBS.	PINK AVG.	CHUM #	CHUM LBS.	CHUM AVG.
BIG RIVER (262-10,15)	31	07/30	0	0	0.00	1471	9351	6.36	266	2279	8.57	445	1351	3.04	419	3372	8.05
	35	08/27	0	0	0.00	0	0	0.00	160	1283	8.02	0	0	0.00	19	155	8.16
	36	09/03	0	0	0.00	4	24	6.00	6214	55591	8.95	22	65	2.95	15	85	5.67
	37	09/10	0	0	0.00	1312	6563	5.00	2	23	11.50	0	0	0.00	0	0	0.00
TOTAL			0	0	0.00	2787	15938	5.72	6642	59176	8.91	467	1416	3.03	453	3612	7.97
OUTER KUKAK	29	07/16	0	0	0.00	33	197	5.97	0	0	0.00	72	286	3.97	20	162	8.10
(262-25, 30)	30	07/23	1	9	9.00	72	400	5.56	13	110	8.46	410	1388	3.39	460	3493	7.59
	32	08/06	0	0	0.00	26	129	4.96	35	299	8.54	27427	109740	4.00	31	194	6.26
TOTAL			1	9	9.00	131	726	5.54	48	409	8.52	27909	111414	3.99	511	3849	7.53
INNER KUKAK (262-27)	31	07/30	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	6	40	6.67
TOTAL			0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	6	40	6.67
DAKAVAK	28	07/09	4	95	23.75	890	4994	5.61	43	295	6.86	778	2470	3.17	744	4571	6.14
(262-35, 40, 45, 50,	29	07/16	115	2000	17.39	28989	165115	5.70	1778	12282	6.91	15142	50906	3.36	6663	50195	7.53
& 55)	30	07/23	23	434	18.87	4521	25496	5.64	275	2227	8.10	2670	8743	3.27	1446	10966	7.58
	31	07/30	37	676	18.27	16935	84105	4.97	2020	15643	7.74	22636	67474	2.98	4670	35725	7.65
	32	08/06	0	0	0.00	840	4217	5.02	113	822	7.27	365	1475	4.04	405	2808	6.93
TOTAL			179	3205	17.91	52175	283927	5.44	4229	31269	7.39	41591	131068	3.15	13928	104265	7.49
KATMAI (262-60)	28	07/09	157	1943	12.38	11793	62968	5.34	95	717	7.55	3069	10953	3.57	2175	17105	7.86
	29	07/16	59	812	13.76	9581	55129	5.75	815	5814	7.13	5818	18973	3.26	2591	20105	7.76
	30	07/23	12	172	14.33	1733	9658	5.57	180	1344	7.47	721	2151	2.98	601	4650	7.74
TOTAL			228	2927	12.84	23107	127755	5.53	1090	7875	7.22	9608	32077	3.34	5367	41860	7.80
ALINCHAK	28	07/09	164	2173	13.25	14345	77956	5.43	83	574	6.92	6270	19663	3.14	5448	36978	6.79
(262-65, 70)	29	07/16	1	15	15.00	412	2060	5.00	0	0	0.00	120	300	2.50	63	505	8.02
	30	07/23	1	23	23.00	79	419	5.30	9	65	7.22	290	1044	3.60	37	278	7.51
	32	08/06	0	0	0.00	2	10	5.00	0	0	0.00	5955	23746	3.99	765	5471	7.15
TOTAL			166	2211	13.32	14838	80445	5.42	92	639	6.95	12635	44753	3.54	6313	43232	6.85
CAPE IGVAK	26	06/25	267	4630	17.34	135547	762840	5.63	5	42	8.40	27125	82968	3.06	13404	92830	6.93
(262-75, 80, 90, 95)	27	07/02	205	3103	15.14	143684	827619	5.76	6	48	8.00	24243	72959	3.01	14564	101914	7.00
	29	07/16	53	878	16.57	15673	85884	5.48	735	5351	7.28	11188	38842	3.47	4973	34488	6.94
	30	07/23	153	2028	13.25	15819	90838	5.74	628	4316	6.87	24750	91723	3.71	11947	79838	6.68
	31	07/30	9	225	25.00	1628	8770	5.39	118	963	8.16	4558	18558	4.07	11347	94187	8.30
	35	08/27	0	0	0.00	1256	6475	5.16	2988	22594	7.56	4119	18572	4.51	3440	29985	8.72
	36	09/03	4	63	15.75	6991	37782	5.40	3246	29159	8.98	1481	5163	3.49	549	3920	7.14
	37	09/10	0	0	0.00	844	4559	5.40	975	9750	10.00	21	83	3.95	136	1127	8.29
TOTAL			691	10927	15.81	321442	1824767	5.68	8701	72223	8.30	97485	328868	3.37	60360	438289	7.26
WIDE BAY (262-85)	26	06/25	9	189	21.00	801	5060	6.32	0	0	0.00	540	1654	3.06	143	1024	7.16
	31	07/30	11	124	11.27	41	248	6.05	0	0	0.00	3504	13786	3.93	3884	28565	7.35
TOTAL			20	313	15.65	842	5308	6.30	0	0	0.00	4044	15440	3.82	4027	29589	7.35
KODIAK AREA TOTALS			**22576**	**315000**	**13.95**	**2878023**	**14342261**	**4.98**	**296305**	**2575410**	**8.69**	**8162564**	**31116298**	**3.81**	**738856**	**5490740**	**7.43**

Appendix 0.2. Commercial salmon fishery catch by day and gear, Kodiak Management Area, 1994.

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
PURSE SEINE													
25110	06/11	-	-	7	111	70	351	0	0	1	3	4	31
	06/14	-	-	24	171	245	974	0	0	10	40	66	398
	06/15	13	13	356	3675	4670	18641	0	0	256	750	431	2974
	06/16	5	5	93	852	1777	7606	0	0	511	1189	307	2367
	06/17	11	11	187	2275	3018	12876	0	0	584	1673	226	1781
	06/18	13	13	156	1892	3224	13296	0	0	269	777	366	2426
	06/19	-	-	61	455	294	1130	0	0	28	84	28	171
	06/20	15	15	195	2019	2844	12679	10	56	414	1176	861	5145
	06/21	-	-	12	145	385	1495	0	0	55	165	37	277
	06/22	-	-	10	141	373	1367	0	0	97	288	80	634
	06/23	7	8	11	174	1074	4584	1	7	228	625	283	1869
	06/24	9	9	14	176	2775	11624	0	0	263	807	427	2440
	06/25	-	-	5	60	351	1396	0	0	44	114	81	539
	06/26	8	8	7	48	2249	9018	6	29	200	826	441	2968
	06/27	-	-	2	69	449	1583	0	0	32	127	19	134
	06/28	-	-	0	0	385	1234	0	0	39	103	42	294
	06/29	-	-	91	472	835	3427	0	0	62	219	71	480
	06/30	6	6	61	671	1520	7031	15	114	617	2093	364	2146
	07/01	4	4	44	551	1712	7554	9	64	497	1804	389	2545
	07/02	-	-	9	82	310	1521	1	8	275	825	421	3560
	07/03	-	-	0	0	549	2151	0	0	317	1211	292	2095
	07/04	-	-	16	175	1370	6084	19	142	1306	4501	633	4563
	07/05	-	-	20	471	100	587	2	17	783	2351	164	818
	07/06	-	-	3	73	178	680	0	0	330	1050	30	197
	07/08	-	-	0	0	503	2455	28	186	1137	4200	176	1173
	07/13	-	-	8	199	687	3278	34	222	3911	14414	260	1760
	07/15	-	-	3	25	227	1347	38	269	1843	7073	24	193
	07/19	-	-	2	12	77	544	33	218	5115	19540	95	788
	07/20	6	6	8	97	890	4562	98	833	5042	18301	204	1473
	07/21	5	5	16	223	588	3349	104	697	3604	13271	86	693
	07/22	4	4	2	20	92	452	8	56	1957	6915	30	226
	07/23	4	4	27	356	757	3842	45	360	5689	23366	230	1766
	07/27	-	-	0	0	88	411	35	237	4602	16171	158	1052
	07/28	-	-	4	73	29	167	4	34	895	3889	32	260
	07/29	-	-	9	130	813	4068	271	2262	13530	37523	292	2529
	07/30	-	-	89	1098	1308	7197	351	3373	16649	69717	637	6044
	08/03	4	4	6	84	1001	6506	386	3699	6176	25478	372	3294
	08/04	-	-	6	94	703	4779	442	3350	7300	26161	209	1775
	08/05	4	4	7	139	228	1454	247	1907	26556	81699	139	1092
	08/06	-	-	0	0	86	382	26	124	2599	10263	10	57
	08/07	-	-	6	100	150	753	66	576	1024	4566	27	213
	08/17	-	-	0	0	76	386	225	1405	1885	6597	15	104
	08/18	6	6	11	155	1349	6844	1280	11434	12258	46568	376	2809
	08/19	-	-	0	0	92	645	296	2370	4756	14269	31	251
	08/23	-	-	0	0	35	194	12	126	101	394	2	10
	08/24	5	5	0	0	173	866	388	3070	1365	4378	49	364
	08/25	-	-	7	93	210	1060	376	3845	1000	3242	73	587
	08/28	-	-	0	0	28	200	192	1542	279	759	4	26
	08/31	-	-	0	0	22	101	246	2894	124	529	0	0
	09/01	-	-	2	33	28	131	327	3262	113	338	5	32
	09/02	-	-	0	0	173	867	303	3034	217	697	19	131
	TOTAL	77	193	1597	17689	41170	185729	5924	51822	136945	483119	9618	69554
	AVG.WT.				11.08		4.51		8.75		3.53		7.23
25120	06/14	-	-	3	64	174	805	0	0	5	20	7	58
	06/15	17	17	749	8662	7341	30473	0	0	545	1530	622	4863
	06/16	10	10	296	3114	2481	11626	0	0	283	760	157	1208
	06/17	13	13	421	3938	2382	10818	1	7	517	1397	294	2257
	06/18	13	13	320	3694	4190	17598	0	0	896	2335	603	3839
	06/19	12	12	160	1379	3144	12772	0	0	661	1892	318	2009
	06/20	12	14	159	1708	1957	8266	0	0	1625	4115	351	1982
	06/21	5	5	24	343	562	2641	0	0	218	647	123	776
	06/22	8	11	64	710	1535	7354	0	0	455	1112	350	2106
	06/23	4	4	3	44	1159	4962	0	0	86	267	118	748
	06/24	8	10	172	2018	3660	17005	0	0	439	1284	560	3649
	06/25	11	13	33	319	4045	17204	5	40	712	2186	700	4862
	06/26	5	5	54	462	1575	7354	7	59	311	996	683	4362
	06/27	-	-	4	47	527	2298	3	20	196	577	87	549
	06/28	9	9	57	593	1104	5349	3	21	244	704	243	1520
	06/29	-	-	38	462	517	2230	3	20	133	401	95	531
	06/30	6	6	38	604	940	4343	2	14	418	1355	89	611
	07/01	-	-	23	271	306	1420	3	34	231	664	74	482

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	07/02	7	7	32	444	1266	6041	0	0	874	3139	413	2193
	07/03	-	-	4	43	203	893	6	36	131	562	32	226
	07/04	-	-	23	254	1501	6183	6	48	1152	4155	159	1134
	07/05	-	-	11	101	781	3358	1	5	1050	3691	133	984
	07/06	4	4	4	44	498	2081	4	44	867	3019	84	594
	07/07	6	6	34	392	1610	7847	23	196	3384	12092	357	2123
	07/08	4	4	41	438	478	2395	8	70	1238	4351	58	372
	07/09	5	5	56	777	2122	10779	31	268	5394	16313	438	3529
	07/12	-	-	2	62	120	485	1	7	200	731	6	41
	07/14	4	4	51	716	2078	7613	135	1232	5017	18056	221	1870
	07/15	6	6	52	698	932	4715	225	1488	4496	15855	229	1255
	07/19	-	-	2	32	306	1533	34	275	2053	8501	241	1826
	07/20	4	4	34	478	1023	5214	124	1038	6146	23202	204	1523
	07/21	4	4	0	0	157	863	16	127	2827	10796	73	469
	07/22	7	7	10	115	237	952	13	107	4071	14998	44	330
	07/26	-	-	1	35	152	761	20	152	2560	9780	20	144
	07/27	5	5	14	239	118	669	30	262	6049	19807	145	1154
	07/28	4	5	27	498	174	1141	42	310	3004	10317	127	1010
	07/29	4	4	6	82	886	4719	123	1099	8154	25991	189	1592
	07/30	4	4	25	353	1034	5134	124	1001	8957	26100	287	2593
	08/01	-	-	26	323	112	472	122	848	4686	21556	98	683
	08/02	-	-	4	88	489	2687	187	1510	6336	23819	65	534
	08/03	8	8	11	128	691	3875	279	2309	13213	46280	345	2393
	08/04	7	7	26	521	637	3685	472	3875	19492	71340	444	3534
	08/05	7	7	19	335	937	4858	850	6026	16246	69798	543	3123
	08/06	8	8	31	680	630	3916	329	2713	12982	49704	182	1522
	08/07	-	-	50	692	165	866	132	1011	1676	7157	54	473
	08/16	-	-	0	0	36	165	41	332	483	1208	7	58
	08/18	4	4	1	35	368	2020	620	5763	2888	10781	66	467
	08/19	-	-	5	86	212	958	295	2363	2386	5965	0	0
	08/23	-	-	0	0	69	311	73	720	370	1491	23	149
	08/24	7	7	2	36	735	3636	927	9426	2735	11110	105	744
	08/25	4	4	0	0	202	1156	348	3235	667	2334	12	86
	08/26	5	5	10	228	411	1906	1455	11297	1480	6168	56	469
	08/31	-	-	0	0	40	207	55	633	80	329	2	9
	09/01	-	-	0	0	59	237	219	2198	90	381	1	4
	09/02	3	4	0	0	240	1163	811	7843	164	485	10	75
	TOTAL	80	298	3232	37385	59308	270012	8208	70082	161573	583604	10947	75697
	AVG.WT.				11.57		4.55		8.54		3.61		6.91
25130	06/14	-	-	1	13	73	305	0	0	0	0	0	0
	06/15	5	5	44	378	2395	9705	0	0	58	193	36	262
	06/22	-	-	30	294	769	3147	0	0	87	282	156	1158
	07/08	4	4	0	0	715	3080	1	5	1433	4647	47	329
	07/15	-	-	6	69	106	608	12	91	656	2495	18	145
	07/20	4	6	9	208	289	1006	0	0	14121	57568	290	2015
	07/23	-	-	0	0	0	0	0	0	942	3204	8	44
	07/26	-	-	0	0	2	5	0	0	1191	4699	4	23
	07/27	-	-	1	12	49	263	102	612	4638	18389	82	498
	07/28	5	5	0	0	31	154	13	82	8238	32099	188	1315
	07/29	-	-	0	0	11	45	0	0	2563	10101	5	42
	08/02	-	-	8	115	154	759	54	390	1970	8083	33	228
	08/03	-	-	0	0	151	645	106	905	5637	23500	32	292
	08/04	-	-	0	0	20	70	11	91	4325	16109	35	287
	08/17	-	-	0	0	253	1295	881	6235	2619	8645	29	210
	08/18	5	5	3	50	704	3185	1832	15042	6334	20019	126	977
	08/19	-	-	0	0	201	1304	738	4768	2358	7647	38	304
	09/18	-	-	0	0	0	0	241	1740	0	0	0	0
	09/24	-	-	0	0	0	0	112	1032	0	0	0	0
	TOTAL	21	47	102	1139	5923	25576	4103	30993	57170	217680	1127	8129
	AVG.WT.				11.17		4.32		7.55		3.81		7.21
25140	06/22	-	-	3	42	1124	5622	0	0	122	366	146	730
	06/23	-	-	10	200	151	755	0	0	153	460	66	430
	07/06	-	-	1	26	376	1971	7	30	1701	4993	411	2614
	07/07	4	4	0	0	2052	7855	84	514	2611	8601	128	862
	07/12	-	-	1	70	138	771	48	317	579	1927	18	113
	07/13	-	-	4	76	481	2763	63	384	3571	12676	116	696
	07/14	-	-	0	0	35	203	23	153	307	1139	7	48
	07/21	-	-	0	0	83	332	15	124	1954	6603	47	262
	07/22	-	-	0	0	23	93	5	40	1057	3598	34	192
	07/26	-	-	0	0	66	391	22	158	3779	12997	42	255
	07/27	-	-	9	160	48	267	30	182	4722	16686	30	176
	07/28	-	-	0	0	0	0	0	0	713	2426	0	0

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	07/29	-	-	0	0	207	1042	163	1586	10967	44342	202	1545
	08/03	-	-	0	0	142	700	85	631	4464	18288	33	242
	08/04	-	-	0	0	73	361	79	572	1662	6818	25	179
	08/06	-	-	0	0	94	427	209	1674	3528	8820	34	272
	08/16	-	-	0	0	0	0	360	3558	30	110	0	0
	08/17	-	-	0	0	63	377	1090	10894	1353	4756	32	253
	08/18	-	-	0	0	34	210	148	1375	62	229	8	40
	09/02	-	-	0	0	129	773	0	0	0	0	0	0
	09/03	7	7	0	0	79	374	2316	21609	5	13	5	27
	09/04	7	7	0	0	0	0	2243	21614	4	16	0	0
	TOTAL	24	55	28	574	5398	25287	6990	65415	43344	155864	1384	8936
	AVG.WT.				20.50		4.68		9.36		3.60		6.46
25150	07/27	-	-	1	15	3	14	0	0	3070	10711	4	29
	07/29	-	-	0	0	2	8	0	0	4210	17374	0	0
	08/04	-	-	0	0	0	0	60	478	5125	19223	0	0
	08/05	-	-	0	0	6	27	7	65	5535	16319	4	18
	08/06	-	-	0	0	6	22	100	700	8423	28478	0	0
	08/16	-	-	0	0	0	0	514	4056	203	814	0	0
	08/18	-	-	0	0	0	0	89	979	4	15	0	0
	TOTAL	5	9	1	15	17	71	770	6278	26570	92934	8	47
	AVG.WT.				15.00		4.18		8.15		3.50		5.88
25160	07/22	-	-	0	0	37	150	1	8	3965	13483	12	67
	07/27	-	-	1	5	165	629	6	36	5039	16125	1	5
	08/16	-	-	0	0	0	0	1740	14375	203	813	0	0
	08/17	-	-	0	0	0	0	2570	20182	197	791	1	6
	08/18	-	-	0	0	8	47	820	6565	1004	3013	0	0
	09/22	-	-	0	0	0	0	500	5021	0	0	0	0
	TOTAL	7	9	1	5	210	826	5637	46187	10408	34225	14	78
	AVG.WT.				5.00		3.93		8.19		3.29		5.57
25170	07/30	-	-	0	0	5	22	5	44	7312	25593	0	0
	08/06	-	-	0	0	0	0	1	8	370	1480	0	0
	08/16	-	-	0	0	0	0	1916	13341	10	44	0	0
	08/17	-	-	0	0	0	0	530	4244	29	74	0	0
	08/18	-	-	0	0	0	0	180	1737	0	0	0	0
	09/19	-	-	0	0	0	0	117	924	0	0	0	0
	09/22	-	-	0	0	0	0	500	5022	0	0	0	0
	TOTAL	7	7	0	0	5	22	3249	25320	7721	27191	0	0
	AVG.WT.				0.00		4.40		7.79		3.52		0.00
25181	08/06	-	-	0	0	43	169	57	340	1799	7196	0	0
	08/07	-	-	0	0	0	0	0	0	3638	16327	0	0
	08/17	-	-	0	0	0	0	581	4003	3100	12085	0	0
	08/19	-	-	0	0	0	0	4010	28066	0	0	56	234
	TOTAL	-	5	0	0	43	169	4648	32409	8537	35608	56	234
	AVG.WT.				0.00		3.93		6.97		4.17		4.18
25182	08/03	-	-	2	19	24	110	283	1419	7032	26735	30	155
	08/05	-	-	0	0	0	0	18	88	1610	6128	0	0
	08/06	-	-	0	0	9	26	69	485	449	1919	0	0
	08/07	-	-	0	0	4	18	23	216	2123	9039	12	83
	09/03	-	-	0	0	0	0	190	1682	0	0	0	0
	09/04	5	5	0	0	0	0	1342	12998	0	0	0	0
	TOTAL	10	11	2	19	37	154	1925	16888	11214	43821	42	238
	AVG.WT.				9.50		4.16		8.77		3.91		5.67
25183	08/03	-	-	2	93	37	203	132	925	3314	13785	83	584
	08/05	-	-	2	51	63	376	397	2777	7780	31118	38	264
	08/07	-	-	0	0	2	9	10	107	1060	4518	6	41
	09/03	-	-	0	0	0	0	52	518	0	0	0	0
	TOTAL	4	5	4	144	102	588	591	4327	12154	49421	127	889
	AVG.WT.				36.00		5.76		7.32		4.07		7.00
25210	07/06	-	-	11	225	286	1511	149	1180	760	2371	769	4270
	07/07	-	-	160	446	413	2073	181	1475	2343	7382	1277	7429
	07/08	-	-	26	356	292	1453	186	1291	1114	2875	412	2891
	07/14	-	-	12	169	338	1642	111	832	2571	7480	136	981
	07/22	-	-	0	0	63	315	0	0	1046	2616	4	35
	07/28	-	-	0	0	52	236	77	617	3652	9130	32	261
	07/29	-	-	2	32	58	284	98	723	3436	15473	34	265
	07/30	-	-	2	49	133	615	129	1032	13123	37309	61	464
	08/02	-	-	0	0	21	89	3	20	2102	8008	89	417
	08/03	-	-	7	81	24	105	320	2142	11418	50211	222	1378
	08/04	-	-	2	11	33	156	72	377	6878	26162	34	182
	08/05	-	-	0	0	81	419	600	3165	7762	29550	68	353
	08/06	10	11	15	185	303	1705	1090	8155	24110	88334	345	2665
	08/07	-	-	0	0	46	262	123	910	9353	28327	153	1072

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	08/08	-	-	0	0	46	209	223	1791	5028	12570	69	553
	08/12	-	-	0	0	0	0	13	104	1464	3662	0	0
	TOTAL	22	39	237	1554	2189	11074	3375	23814	96160	331460	3705	23216
	AVG.WT.				6.56		5.06		7.06		3.45		6.27
25220	08/06	-	-	0	0	17	84	81	590	3754	14646	0	0
	TOTAL	-	-	0	0	17	84	81	590	3754	14646	0	0
	AVG.WT.				0.00		4.94		7.28		3.90		0.00
25230	07/07	-	-	0	0	30	158	25	201	295	1029	107	616
	07/08	-	-	0	0	15	70	36	270	174	604	199	940
	07/20	-	-	0	0	24	120	4	36	609	1523	20	160
	07/22	-	-	0	0	51	267	18	145	1284	4499	30	189
	07/29	-	-	1	14	18	91	0	0	15344	58554	576	3944
	07/30	4	4	0	0	60	337	89	569	17586	55410	233	1560
	08/02	26	27	8	90	47	252	73	441	96940	346899	68	403
	08/03	39	39	1	7	174	876	175	1247	122361	438043	674	5171
	08/04	23	24	0	0	147	752	214	1590	78645	310583	153	987
	08/05	16	16	1	22	136	722	199	1421	75871	251078	333	2294
	08/06	6	6	0	0	208	1073	165	1259	25566	111581	222	1624
	08/07	-	-	0	0	87	594	199	1601	11252	30023	48	387
	08/10	17	17	1	4	61	293	245	1713	18209	73179	8	44
	08/11	56	56	11	128	139	636	1745	12612	122900	429847	98	617
	08/12	29	29	1	4	93	447	1299	10040	63342	226626	66	437
	08/13	17	17	0	0	43	187	810	6986	23450	94693	39	251
	08/14	16	16	2	24	32	149	678	5220	21712	75382	61	505
	08/15	-	-	0	0	5	28	120	865	4278	13832	1	4
	08/16	-	-	0	0	0	0	26	214	1650	6863	1	7
	08/17	4	5	0	0	16	73	1386	12267	15352	53892	13	91
	08/18	10	10	2	66	378	2097	3212	25733	31246	114767	86	650
	08/19	19	19	1	23	193	954	1794	16576	16147	65154	49	356
	08/20	18	19	2	14	209	902	1190	9980	19052	74631	28	154
	08/21	8	8	0	0	7	30	1267	11187	10355	37522	1	6
	08/22	8	8	0	0	12	53	811	6844	5573	22907	6	27
	08/23	-	-	0	0	1	5	209	1864	826	3304	0	0
	08/24	7	8	0	0	19	101	931	7691	5904	21139	5	27
	08/25	7	7	0	0	74	364	2393	22366	7753	31667	19	104
	08/26	4	4	0	0	20	97	270	2516	1212	4197	1	8
	08/27	-	-	0	0	3	15	212	1270	188	658	0	0
	08/28	-	-	0	0	182	1095	298	2295	614	1637	75	527
	08/29	4	4	0	0	5	25	1119	10309	2080	6738	10	69
	08/30	-	-	0	0	7	31	751	7072	1689	5526	18	121
	09/02	-	-	0	0	48	247	562	5758	349	1382	6	45
	09/03	-	-	0	0	2	8	325	3241	245	686	0	0
	09/04	-	-	0	0	0	0	64	670	15	71	1	5
	09/05	-	-	0	0	1	3	124	1406	8	25	2	11
	09/08	-	-	0	0	0	0	188	1317	0	0	0	0
	09/09	-	-	0	0	0	0	115	829	0	0	0	0
	TOTAL	143	375	31	396	2547	13152	23341	197621	820076	2976151	3257	22341
	AVG.WT.				12.77		5.16		8.47		3.63		6.86
25231	06/16	-	-	0	0	294	1471	0	0	0	0	67	460
	06/22	-	-	8	86	466	2098	1	6	245	614	16	131
	06/23	-	-	6	69	493	1969	0	0	683	1572	34	209
	06/25	-	-	0	0	82	411	0	0	26	66	8	53
	07/08	-	-	48	613	305	1607	382	2715	3108	8578	1023	6975
	07/09	-	-	170	872	1035	4529	998	6920	8593	31829	1693	12804
	07/13	-	-	0	0	533	3035	157	1155	4732	13482	192	1423
	07/14	-	-	0	0	273	1658	65	391	2294	8124	141	849
	07/15	6	6	33	562	1333	7758	388	3044	12063	42375	437	3339
	07/16	-	-	0	0	566	2939	162	1299	7102	18886	180	1568
	07/21	-	-	0	0	59	299	42	292	1030	4377	78	431
	07/22	-	-	2	45	211	1090	56	426	3030	11998	99	552
	07/23	-	-	0	0	158	952	42	300	2848	9971	56	340
	07/29	-	-	20	300	308	1880	301	2357	13235	52519	425	2466
	07/30	-	-	6	120	161	886	83	582	9672	38681	291	2035
	08/02	-	-	0	0	4	20	13	105	9778	24445	7	55
	08/03	12	12	0	0	41	212	94	732	58969	168548	88	603
	08/04	22	24	5	63	650	4174	552	4360	105084	341048	403	2956
	08/05	17	17	4	75	1513	7314	427	3136	79885	250054	49	379
	08/06	8	8	3	93	173	960	326	2829	19548	75512	534	4782
	08/07	-	-	0	0	67	335	342	2102	7656	27604	63	442
	08/08	-	-	0	0	28	144	18	147	71	179	75	528
	08/10	11	11	5	51	58	284	371	2747	22119	84356	18	111
	08/11	38	39	6	69	180	882	1951	15398	93243	342663	60	372

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	08/12	24	24	2	15	231	1121	992	8357	60944	235422	90	689
	08/13	24	25	3	24	67	340	978	7626	49002	163024	30	174
	08/14	34	34	57	753	138	650	1443	12056	80428	271311	46	312
	08/15	6	6	0	0	24	119	244	1820	13193	40785	11	87
	08/16	-	-	0	0	52	290	99	844	6137	24620	104	829
	08/17	4	4	0	0	297	1524	356	3222	6358	20141	40	312
	08/18	14	14	0	0	926	4351	2165	20877	14781	59312	73	577
	08/19	8	9	0	0	66	394	828	6692	14108	45908	19	143
	08/20	-	-	0	0	4	14	120	1110	625	2735	0	0
	08/21	-	-	0	0	0	0	0	0	613	2393	0	0
	08/24	-	-	0	0	2	10	27	300	58	230	1	5
	08/25	-	-	0	0	5	18	447	3133	75	318	3	11
	08/28	-	-	0	0	1	5	192	1543	293	880	0	0
	08/29	-	-	0	0	2	9	146	1166	385	1153	0	0
	08/30	-	-	0	0	0	0	282	2614	0	0	0	0
	09/02	-	-	0	0	21	102	293	2955	30	105	0	0
	09/06	-	-	0	0	0	0	495	3462	0	0	0	0
	09/08	-	-	0	0	0	0	145	1017	0	0	0	0
	TOTAL	113	274	378	3810	10827	55854	16023	129837	712044	2425818	6454	47002
	AVG.WT.				10.08		5.16		8.10		3.41		7.28
25232	07/29	18	21	0	0	163	918	3	33	82172	310966	335	1718
	07/30	6	6	0	0	31	165	21	154	35443	112475	150	1019
	08/02	43	50	5	41	133	665	261	1550	204352	722230	163	780
	08/03	14	16	0	0	72	392	69	575	58182	207935	109	704
	08/04	7	7	0	0	125	747	74	560	28746	115033	180	940
	08/05	6	6	0	0	12	50	50	371	9300	35495	26	121
	08/06	-	-	0	0	0	0	0	0	193	484	25	200
	08/07	-	-	0	0	1	6	100	802	7117	17794	9	79
	08/10	4	4	1	5	3	14	32	197	11772	48729	2	13
	08/11	8	9	2	12	7	30	129	1056	30950	114059	10	71
	08/12	4	4	0	0	7	23	144	1156	11800	33098	7	60
	08/14	-	-	0	0	4	18	126	1009	5167	12919	11	92
	08/18	-	-	0	0	13	59	99	750	1143	3503	26	214
	08/19	6	6	0	0	18	72	475	4332	5265	22099	14	95
	08/20	8	8	0	0	62	355	832	6217	8957	36730	1	4
	08/21	-	-	0	0	1	5	263	2290	1944	7980	0	0
	08/22	-	-	0	0	0	0	831	5210	2351	8227	0	0
	08/24	-	-	0	0	0	0	436	3411	836	2976	0	0
	08/25	-	-	0	0	1	5	128	1296	200	794	0	0
	08/27	-	-	0	0	5	20	1060	10395	2115	9762	0	0
	08/28	5	5	0	0	93	456	592	5346	915	3151	0	0
	08/29	4	4	4	21	1	3	493	4213	804	2666	0	0
	08/30	-	-	0	0	0	0	57	520	88	345	0	0
	08/31	-	-	0	0	0	0	39	317	6670	19999	2	9
	09/01	-	-	0	0	1	4	21	127	11	40	0	0
	09/02	-	-	0	0	0	0	185	1480	257	644	1	10
	TOTAL	93	166	12	79	753	4007	6520	53367	516750	1850133	1071	6129
	AVG.WT.				6.58		5.32		8.19		3.58		5.72
25233	06/21	-	-	0	0	661	2086	0	0	1	3	0	0
	07/19	-	-	0	0	1	1	0	0	1797	6672	22	97
	08/05	-	-	0	0	40	212	48	388	1637	7527	11	96
	08/06	4	4	0	0	57	279	146	1269	7802	32184	71	386
	08/17	4	4	2	30	57	324	302	2662	5238	21236	22	178
	08/18	-	4	0	0	50	247	273	2210	4690	15446	13	107
	TOTAL	12	17	2	30	866	3149	769	6529	21165	83068	139	864
	AVG.WT.				15.00		3.64		8.49		3.92		6.22
25234	06/15	-	-	0	0	54	219	0	0	0	0	0	0
	06/18	-	-	0	0	880	2803	0	0	8	19	22	142
	06/19	-	-	1	34	1231	3826	0	0	26	69	11	83
	06/20	5	5	97	914	1267	3917	0	0	11	29	0	0
	06/21	4	4	5	48	2021	6128	0	0	41	81	5	30
	06/22	-	-	0	0	647	2061	0	0	2	9	0	0
	06/23	5	5	5	63	1944	6266	0	0	9	30	0	0
	06/24	-	-	0	0	934	2879	0	0	0	0	0	0
	06/25	-	-	0	0	1176	4074	0	0	7	38	5	36
	06/26	-	-	3	27	1008	4050	0	0	37	113	22	130
	06/27	-	-	1	11	302	864	0	0	43	121	5	26
	06/28	4	4	0	0	2724	8712	0	0	57	166	13	91
	06/29	-	-	1	7	779	2761	1	7	30	104	0	0
	06/30	-	-	0	0	547	1499	0	0	27	129	1	3
	07/01	-	-	2	37	923	3261	4	30	83	258	18	86
	07/02	-	-	0	0	203	966	0	0	82	222	2	18

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	07/03	-	-	0	0	248	1244	0	0	12	37	2	11
	07/04	-	-	0	0	223	670	0	0	34	133	4	21
	07/27	-	-	2	30	13	50	0	0	773	3013	11	85
	07/28	-	-	1	20	8	20	0	0	444	1701	3	17
	08/18	-	-	0	0	0	0	142	1027	72	283	0	0
	TOTAL	15	50	118	1191	17132	56270	147	1064	1798	6555	124	779
	AVG.WT.				10.09		3.28		7.24		3.65		6.28
25235	06/20	-	-	23	170	503	2152	0	0	108	270	97	673
	06/21	-	-	3	55	424	2121	0	0	0	0	48	328
	06/24	-	-	13	154	492	2953	0	0	425	1063	49	294
	06/27	-	-	1	10	399	1546	4	26	137	401	36	254
	06/28	-	-	0	0	262	1128	0	0	208	628	20	117
	07/01	-	-	11	152	276	1380	11	77	510	1277	112	789
	07/02	-	-	2	30	568	2977	37	230	1825	5713	363	1571
	07/03	-	-	0	0	501	2510	8	55	774	2292	302	1897
	07/07	-	-	5	70	214	1073	208	1634	11200	28000	320	2246
	07/08	-	-	3	27	143	713	289	2307	2998	8513	263	1928
	07/13	-	-	0	0	455	2634	106	824	3246	12779	178	1331
	07/15	-	-	0	0	30	150	6	50	368	920	1	6
	07/19	-	-	0	0	25	78	0	0	260	879	6	39
	07/21	-	-	0	0	0	0	0	0	1362	5374	0	0
	07/22	-	-	0	0	144	799	29	218	1470	5644	38	268
	TOTAL	10	21	61	668	4436	22214	698	5421	24891	73753	1833	11741
	AVG.WT.				10.95		5.01		7.77		2.96		6.41
25311	06/08	-	-	0	0	186	838	0	0	4	10	3	24
	06/10	5	5	19	308	477	2010	0	0	10	23	44	350
	06/11	-	-	46	458	317	1277	0	0	43	112	57	499
	06/14	6	6	53	393	1208	5235	0	0	66	196	210	1386
	06/15	14	14	119	1100	3269	13186	0	0	613	1747	380	2875
	06/16	14	14	160	1605	2281	9350	0	0	170	436	209	1542
	06/17	15	17	19	242	2081	8491	0	0	222	602	477	3159
	06/18	13	13	7	75	2195	8512	1	4	298	841	486	3140
	06/19	10	10	8	118	2206	9107	0	0	175	461	750	5384
	06/20	13	13	10	122	1802	6934	0	0	269	777	380	2646
	06/21	-	-	0	0	85	311	0	0	20	59	26	186
	06/22	6	6	22	289	1538	7516	0	0	192	562	414	3070
	06/23	5	5	6	53	520	2275	0	0	47	156	160	1051
	06/24	-	-	0	0	602	2421	1	6	36	125	128	877
	06/25	-	-	1	14	242	983	1	8	11	38	42	287
	06/27	-	-	0	0	63	315	0	0	10	30	46	325
	06/29	-	-	0	0	175	632	0	0	7	25	20	198
	06/30	-	-	0	0	71	353	0	0	14	36	29	178
	07/02	-	-	0	0	78	307	0	0	69	229	14	107
	07/03	-	-	1	31	663	1996	0	0	477	1871	180	1071
	07/04	4	4	7	82	380	1562	0	0	459	1705	264	1974
	07/07	-	-	0	0	3	14	0	0	260	1157	6	29
	07/08	-	-	5	23	407	2039	212	1700	454	1137	550	4403
	07/14	-	-	8	106	76	404	11	60	834	2882	105	860
	07/15	4	4	20	309	141	706	23	214	8412	26127	1824	13766
	07/19	6	6	5	68	1060	5205	68	526	14477	57792	823	6672
	07/20	13	13	19	354	1288	6431	84	729	18846	76555	1244	9976
	07/21	11	11	16	288	806	3678	35	252	14262	51161	648	5394
	07/22	8	8	5	75	315	1461	26	187	6159	19535	241	1912
	07/23	5	5	4	109	355	1865	33	246	10710	33277	324	2581
	07/26	4	4	10	191	262	1167	12	85	7002	29024	174	1387
	07/27	15	15	16	306	1245	5866	65	558	19566	71935	267	2070
	07/28	10	11	5	104	746	4020	278	2333	22909	92290	593	4519
	07/29	8	8	5	110	1011	4931	142	1183	28877	86298	843	6634
	07/30	7	7	4	77	836	4623	123	980	19015	65999	1750	14504
	08/02	10	10	17	234	3405	17793	1343	10773	34322	126628	618	4630
	08/03	20	20	16	351	3141	15254	1450	12281	39553	156221	750	5277
	08/04	18	18	46	651	2570	13276	798	7955	41063	153198	1229	9921
	08/05	15	16	12	190	2785	13428	371	3285	28622	117025	373	3166
	08/06	13	13	5	65	5442	23494	385	3096	26417	104101	366	3063
	08/07	-	-	4	61	958	4752	43	379	4440	15074	43	330
	08/16	10	10	5	46	3847	20568	676	5656	15777	58217	188	1559
	08/17	7	7	3	54	1708	8335	361	3508	5762	22692	36	260
	08/18	11	11	0	0	1530	7592	476	4067	6449	20992	115	921
	08/19	-	-	0	0	306	1871	152	1223	1325	3787	21	171
	08/23	5	5	0	0	3923	18758	482	4634	2697	10749	45	339
	08/24	20	20	3	86	11324	55935	2383	23672	17826	71134	220	1969
	08/25	15	15	2	33	3741	18566	622	6049	6326	24764	153	984

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	08/26	13	13	1	30	3527	18190	754	7459	4804	16793	79	606
	08/27	4	4	0	0	429	2022	144	1238	508	1922	9	56
	08/28	-	-	0	0	96	435	13	110	126	317	0	0
	08/31	-	-	1	22	239	1182	201	2081	134	529	0	0
	09/01	7	7	1	21	1121	5572	580	5211	699	2898	7	49
	09/02	7	7	2	46	1275	5097	517	4809	601	2364	67	329
	09/03	-	-	0	0	122	550	59	477	220	550	0	0
	09/22	-	-	1	15	404	1415	23	283	0	0	1	5
	09/28	-	-	0	0	94	470	0	0	0	0	0	0
	TOTAL	115	410	719	8915	80977	380576	12948	117317	412666	1535165	18031	138671
	AVG.WT.				12.40		4.70		9.06		3.72		7.69
25312	06/10	6	6	15	313	664	3095	0	0	3	8	27	237
	06/17	-	-	18	318	309	1084	0	0	9	30	28	204
	07/13	-	5	44	965	720	3724	12	106	5641	24980	2345	20466
	07/14	4	4	4	88	238	1163	0	0	3102	12813	602	6037
	07/15	7	7	6	124	509	2458	74	517	5275	21491	806	7522
	07/18	-	-	0	0	65	325	0	0	7201	27364	1600	12757
	07/19	8	8	0	0	396	1988	17	144	11905	47762	1136	10159
	07/20	6	6	2	46	326	1738	8	59	2562	10643	949	8074
	07/21	9	9	3	59	284	1371	4	38	12280	45420	3847	30612
	07/22	7	7	1	17	278	1085	0	0	13034	48284	1584	11602
	07/23	-	-	0	0	2	9	0	0	567	2155	125	853
	07/26	8	8	4	105	435	2283	8	46	11499	44967	691	5240
	07/27	12	13	1	12	576	3078	26	231	22035	88895	1416	11577
	07/28	14	14	2	50	492	2687	4	32	29570	118160	1981	15178
	07/29	17	18	5	138	518	2771	16	126	26640	107964	1679	12979
	07/30	-	-	4	116	69	314	21	176	7159	31097	238	2254
	08/02	4	4	0	0	231	1214	0	0	6272	24933	365	2463
	08/03	5	5	0	0	311	1836	4	37	13294	53177	580	4633
	08/04	-	-	2	56	416	2494	57	458	10101	40406	349	2789
	08/05	5	9	4	98	262	1472	18	138	14672	54748	2445	19414
	08/06	4	6	8	140	166	898	12	93	6254	25123	662	5282
	08/07	-	-	0	0	0	0	1	12	103	403	14	103
	08/16	5	5	0	0	216	1153	39	331	4487	18547	63	511
	08/17	10	10	0	0	204	1138	193	1548	14016	55123	420	3337
	08/18	8	8	0	0	90	465	216	1730	6932	28426	288	2025
	08/19	-	-	0	0	21	146	59	473	1418	4975	7	54
	08/24	-	-	0	0	172	968	282	2259	8223	32909	189	1518
	08/25	-	-	0	0	12	61	73	538	2335	6786	20	149
	08/28	-	-	0	0	3	14	102	817	992	2978	20	160
	09/01	-	-	0	0	48	210	199	2375	1153	5078	62	443
	09/03	-	-	0	0	57	286	429	3004	3153	11036	61	429
	TOTAL	59	172	123	2645	8090	41528	1874	15288	251887	996681	24599	199061
	AVG.WT.				21.50		5.13		8.16		3.96		8.09
25313	06/26	-	-	0	0	7	31	0	0	9	39	23	202
	07/20	9	9	6	78	430	2456	18	137	8523	40755	2951	28804
	07/21	-	-	3	35	1107	5877	2	22	2272	7722	15	113
	07/22	-	-	0	0	6	40	0	0	4440	15542	42	295
	07/26	-	-	0	0	1	6	0	0	4850	19399	18	146
	07/27	-	-	1	24	224	1538	23	141	4157	20273	188	1631
	07/29	-	-	2	32	87	409	3	22	2670	10871	564	2319
	07/30	-	-	3	79	137	688	9	74	14335	57341	317	2872
	08/07	-	-	2	10	146	669	55	500	2634	12562	121	989
	08/16	-	-	0	0	20	105	2	20	1130	5190	13	93
	08/17	-	-	0	0	4	21	429	3435	2027	5068	8	67
	08/19	-	-	0	0	4	15	4	48	697	2091	0	0
	08/25	-	-	0	0	197	1382	315	2524	5572	19504	105	845
	08/26	-	-	0	0	5	20	12	120	130	532	6	50
	09/01	-	-	0	0	44	261	300	2403	1943	7774	70	554
	09/02	-	-	0	0	18	98	53	481	0	0	6	41
	TOTAL	18	26	17	258	2437	13616	1225	9927	55389	224663	4447	39021
	AVG.WT.				15.18		5.59		8.10		4.06		8.77
25314	06/15	-	-	22	301	399	1758	0	0	113	329	157	896
	06/19	-	-	0	0	92	414	0	0	11	29	19	152
	06/20	-	-	6	83	81	407	0	0	16	64	20	131
	06/30	-	-	2	47	54	200	0	0	100	412	195	1367
	07/15	-	-	0	0	25	152	6	35	1197	3593	63	381
	07/20	-	-	30	350	50	400	0	0	1150	4304	140	1229
	07/23	-	-	10	135	31	161	2	13	4000	13394	391	3129
	08/02	-	-	3	68	200	932	40	331	3725	14308	30	372
	08/03	-	-	1	31	335	1971	77	664	8540	29547	136	840
	08/04	-	-	0	0	149	913	74	544	6849	24938	44	308

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	08/06	-	-	1	17	26	134	25	199	351	1416	0	0
	08/07	-	-	0	0	491	2660	167	803	4090	15448	47	278
	08/16	-	-	0	0	55	279	0	0	360	1445	0	0
	08/18	-	-	1	21	61	433	109	874	1085	3257	29	207
	08/19	-	-	0	0	0	0	34	320	150	700	0	0
	08/24	-	-	0	0	138	624	104	937	2703	7177	52	364
	09/01	-	-	0	0	40	202	38	266	6	21	0	0
	09/04	-	-	0	0	15	94	272	1904	295	1035	0	0
	TOTAL	17	24	76	1053	2242	11734	948	6890	34741	121417	1323	9654
	AVG.WT.				13.86		5.23		7.27		3.49		7.30
25331	06/10	-	-	20	188	75	312	0	0	8	24	35	253
	06/11	4	4	126	1095	659	2700	0	0	48	130	165	1065
	06/14	-	-	27	250	442	2048	0	0	134	455	82	546
	06/15	-	-	13	97	233	1030	0	0	75	198	27	157
	06/16	5	5	24	189	534	2495	3	16	151	400	162	1036
	06/17	-	-	26	303	343	1715	1	8	227	684	340	2213
	06/18	6	6	43	360	1085	4176	1	4	453	1368	531	3519
	06/19	5	5	24	217	1214	6155	2	14	171	527	468	3077
	06/20	-	-	15	215	165	779	0	0	112	318	158	988
	06/21	-	-	1	18	452	1689	1	3	38	139	114	843
	06/23	-	-	6	129	48	240	0	0	44	110	55	334
	06/24	-	-	42	662	420	1978	1	5	316	1003	111	843
	06/26	-	-	2	19	576	2382	0	0	65	160	24	146
	06/27	8	8	28	521	1772	8359	11	108	898	3291	680	4703
	06/28	-	-	1	10	219	995	0	0	154	465	37	243
	06/29	6	6	9	113	637	3088	0	0	446	1489	278	1926
	06/30	-	-	0	0	430	1865	2	12	74	310	95	762
	07/01	5	5	76	660	641	3077	2	11	543	1906	226	1690
	07/02	-	-	0	0	171	685	0	0	1116	3350	86	520
	07/03	-	-	7	103	324	1640	7	46	1716	5490	174	1160
	07/04	4	4	27	395	1763	8614	28	217	9772	32589	829	6386
	07/05	6	6	52	519	1823	8305	146	1079	11914	38969	1312	9296
	07/06	6	6	20	546	1618	6874	210	1498	13700	46870	917	6779
	07/07	9	10	78	1105	1288	6019	318	2160	10095	33861	1008	7416
	07/08	14	14	50	786	2022	9506	533	3481	16264	56731	2024	14307
	07/09	-	-	5	122	165	735	101	640	1795	6148	237	1535
	07/12	4	4	0	0	812	4147	46	375	3984	16130	277	1911
	07/13	9	9	15	313	1633	7771	254	1860	12652	45106	909	7108
	07/14	16	16	20	420	1641	8705	439	3213	14518	54446	659	5211
	07/15	14	14	36	597	2008	10383	364	2586	16107	55198	973	6848
	07/16	-	-	0	0	78	466	52	367	2023	7082	94	569
	07/19	4	4	0	0	92	469	29	237	1254	5009	86	726
	07/20	-	-	75	834	250	1628	55	422	3785	15066	178	1439
	07/21	-	-	6	124	282	1585	59	521	3322	13140	152	1383
	07/22	5	5	29	505	808	4356	121	1067	9739	35786	386	2742
	07/23	-	-	0	0	138	698	24	191	4264	10868	171	1363
	07/26	-	-	0	0	8	49	2	14	132	403	8	57
	07/27	-	-	10	408	107	535	77	618	5544	22175	346	2767
	07/28	6	7	26	334	308	1368	136	1011	9689	40018	563	3307
	07/29	10	10	17	228	1415	6659	526	4072	30501	97310	900	6930
	07/30	6	6	8	150	506	2968	274	2211	22949	77973	828	6024
	08/02	-	-	30	403	1692	10674	257	2315	12501	43025	557	3959
	08/03	4	4	7	108	986	5696	416	3560	10241	36895	245	1952
	08/04	6	6	8	200	573	3614	298	2246	7777	26881	173	1326
	08/05	5	5	20	271	966	4987	674	5537	17692	60971	530	4159
	08/06	6	6	33	491	700	3525	676	5049	13799	53964	520	3867
	08/07	9	9	73	1107	1986	9517	1087	8131	26561	86533	586	4372
	08/16	-	-	0	0	63	348	61	569	637	2455	8	65
	08/17	6	6	1	6	326	1492	386	3239	6519	17335	63	564
	08/18	9	9	9	204	813	4503	1361	12290	22394	78820	376	2749
	08/19	-	-	17	221	139	629	241	1928	7401	18503	71	575
	08/23	-	-	0	0	106	497	113	1210	544	2065	23	159
	08/24	7	7	2	65	530	2422	430	4041	2187	7463	94	746
	08/25	9	9	16	272	1466	6931	1836	18709	9851	34590	227	1815
	08/26	-	-	0	0	34	165	96	950	2499	7507	7	48
	08/27	-	-	0	0	4	25	37	405	294	1173	14	102
	09/01	6	6	4	91	478	2449	587	6453	454	1869	36	237
	09/02	-	-	2	24	325	1543	551	6034	536	1694	63	415
	09/04	-	-	0	0	89	441	282	2531	0	0	12	74
	TOTAL	116	273	1186	15998	40481	198706	13214	113264	352679	1214438	20310	147312
	AVG.WT.				13.49		4.91		8.57		3.44		7.25

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
25332	09/02	-	-	0	0	0	0	193	1872	0	0	0	0
	TOTAL	-	-	0	0	0	0	193	1872	0	0	0	0
	AVG.WT.				0.00		0.00		9.70		0.00		0.00
25333	06/28	-	-	2	26	25	106	0	0	920	2838	45	364
	06/29	-	-	1	15	94	404	0	0	193	879	24	185
	06/30	-	-	7	104	88	374	0	0	319	1421	78	557
	07/01	-	-	8	86	49	210	3	21	450	1824	89	824
	07/06	-	-	0	0	60	211	0	0	595	2483	16	145
	07/08	-	-	0	0	122	486	2	12	2518	7399	370	2222
	07/12	-	-	0	0	8	38	0	0	1230	4990	45	388
	07/14	-	-	0	0	0	0	0	0	309	1237	43	388
	07/15	5	5	0	0	1155	5619	0	0	15137	59343	1061	9073
	07/16	-	-	0	0	0	0	0	0	1186	4743	94	748
	07/19	7	7	0	0	27	141	0	0	3050	12713	198	1593
	07/20	-	-	0	0	1	4	0	0	107	470	20	179
	07/21	-	-	3	37	52	311	15	136	3000	11155	73	523
	TOTAL	17	25	21	268	1681	7904	20	169	29014	111495	2156	17189
	AVG.WT.				12.76		4.70		8.45		3.84		7.97
25335	06/14	-	-	6	52	181	703	0	0	36	89	12	91
	06/17	-	-	15	108	580	2234	0	0	129	322	73	518
	06/26	-	-	0	0	492	2298	4	27	292	911	35	343
	06/29	-	-	5	139	103	551	1	8	146	469	42	310
	07/02	-	-	1	17	277	1310	3	26	497	1693	102	670
	07/05	-	-	0	0	129	569	21	129	470	1540	61	411
	07/07	-	-	1	41	582	2739	105	702	3721	13646	367	2566
	07/08	6	6	0	0	675	3235	152	1087	5544	19030	312	2237
	07/09	-	-	0	0	0	0	0	0	764	1911	0	0
	07/12	-	-	2	28	1503	8968	203	1454	6030	24754	403	2967
	07/13	4	4	4	21	420	2050	45	311	3385	12308	127	974
	07/14	-	-	0	0	244	1089	30	321	1563	5688	56	434
	07/15	15	15	7	150	1382	6607	301	2190	10572	34152	686	4802
	07/22	-	-	5	106	119	720	25	203	1371	5358	46	330
	07/28	-	-	0	0	60	267	46	431	2092	8917	68	575
	07/30	-	-	7	169	85	401	57	444	8879	25034	200	1519
	08/04	-	-	0	0	161	682	99	722	3010	12720	31	224
	08/05	-	-	1	5	468	2273	206	1841	6235	21265	102	921
	08/07	-	-	16	246	242	1457	378	4161	9722	31111	86	869
	08/17	-	-	0	0	33	166	47	477	610	2695	12	77
	08/18	-	-	1	17	27	122	34	309	486	2042	5	44
	08/24	-	-	0	0	13	59	10	97	26	103	0	0
	TOTAL	30	55	71	1099	7776	38500	1767	14940	65580	225758	2826	20882
	AVG.WT.				15.48		4.95		8.46		3.44		7.39
25410	06/09	9	9	16	250	3109	12030	0	0	4	13	70	457
	06/10	12	12	20	288	4234	16447	0	0	6	17	71	468
	06/14	20	20	359	4210	4621	18398	0	0	85	257	449	3289
	06/15	15	15	176	2068	3129	12349	0	0	35	90	416	2898
	06/16	13	13	167	2526	3500	13658	0	0	14	48	677	4083
	06/17	25	25	180	2770	6280	25505	0	0	63	170	1036	6859
	06/18	14	14	35	433	1463	5862	0	0	34	90	239	1651
	06/19	9	9	35	480	1468	6009	0	0	12	39	413	2942
	06/20	15	15	69	919	1381	5930	0	0	43	127	660	4595
	06/21	8	8	114	1418	2273	10483	0	0	48	149	759	4965
	06/22	10	11	41	547	2126	9730	0	0	38	114	563	3816
	06/23	7	7	25	309	1372	5973	0	0	21	75	292	1756
	06/24	10	10	39	634	2132	9250	0	0	41	128	485	3345
	06/25	10	10	62	832	3833	15520	0	0	156	561	845	5050
	06/26	-	-	1	12	926	3579	0	0	61	221	137	931
	06/27	-	-	8	90	937	2471	0	0	15	37	113	890
	06/28	4	4	7	95	641	2450	0	0	55	158	184	1488
	06/29	6	6	13	205	837	3454	0	0	74	246	168	1244
	06/30	-	-	3	48	255	1060	0	0	59	156	201	1408
	07/01	-	-	0	0	54	223	0	0	24	101	18	112
	07/02	5	5	0	0	492	2084	0	0	135	511	94	593
	07/03	7	7	5	98	2119	10004	30	405	2831	10190	666	5376
	07/05	-	-	3	56	597	2654	0	0	1095	4006	186	1437
	07/06	-	-	2	37	113	498	1	9	116	436	14	74
	07/07	-	-	10	142	52	260	0	0	0	0	19	134
	07/08	-	-	0	0	53	230	0	0	12	40	3	20
	07/12	-	-	3	33	211	1028	15	145	2342	8837	145	940
	07/13	-	-	24	310	143	645	0	0	1475	6157	143	1244
	07/14	-	-	0	0	53	219	0	0	221	918	52	355
	07/19	-	-	0	0	138	730	12	98	1675	5736	70	485

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	07/20	12	12	13	196	1805	8765	126	890	18528	74289	849	5786
	07/21	-	-	0	0	424	1829	16	129	2944	12222	96	808
	07/22	6	6	1	19	1149	5711	42	406	6870	27857	156	1429
	07/23	-	-	2	27	312	1562	17	140	3454	8637	54	433
	07/26	10	10	7	136	625	2858	12	101	14126	44726	114	879
	07/27	10	10	7	126	621	3170	48	352	6763	27958	1530	12978
	07/29	4	4	1	12	425	2215	24	228	3634	14361	54	424
	07/30	-	-	0	0	155	700	19	156	3027	7569	82	663
	08/02	-	-	8	138	1388	7287	54	438	4440	17952	53	294
	08/03	5	5	0	0	236	1058	32	304	3280	13665	14	82
	08/04	-	-	0	0	1210	6730	50	447	4826	14476	31	188
	08/05	-	-	0	0	955	5382	24	274	3186	10059	22	224
	08/06	-	-	0	0	811	3687	13	110	1744	7613	10	65
	08/16	-	-	0	0	1417	7226	231	2640	2794	11171	21	148
	08/17	-	-	0	0	1080	5393	269	2064	2056	7943	17	120
	08/18	9	9	2	12	5398	25223	1043	8671	13655	44276	112	869
	08/19	-	-	8	122	4383	19727	382	3068	7663	19160	35	289
	08/21	-	-	0	0	0	0	156	1250	2952	7380	0	0
	08/23	8	8	11	204	6943	34682	1340	11282	5503	22022	171	1286
	08/24	5	6	4	61	3380	17405	808	7914	3218	12890	152	1304
	08/25	11	11	10	162	5845	28842	933	10206	4393	17583	201	1896
	08/26	15	15	3	70	5322	28236	624	6485	3102	11906	247	1748
	08/27	14	14	2	93	4185	20046	827	8414	2185	8199	268	1938
	08/28	4	4	5	68	1642	9400	193	1554	1254	3519	116	935
	08/31	10	10	0	0	564	2652	1392	15094	152	601	4	28
	09/01	4	4	4	81	438	2083	508	5594	194	703	5	32
	09/02	-	-	1	18	683	3141	175	1472	91	258	76	575
	09/03	4	4	1	10	644	3375	299	2408	261	655	1	7
	09/18	-	-	0	0	198	895	23	236	0	0	2	10
	09/20	-	-	2	34	170	740	2	18	0	0	0	0
	09/21	-	-	0	0	712	3027	55	660	0	0	1	6
	09/24	-	-	9	163	492	2121	23	298	0	0	0	0
	09/25	-	-	0	0	28	109	0	0	0	0	0	0
	TOTAL	101	391	1518	20562	102182	464010	9818	93960	137085	489278	13682	98349
	AVG.WT.				13.55		4.54		9.57		3.57		7.19
25420	06/09	-	-	0	0	43	173	0	0	0	0	4	33
	06/10	-	-	0	0	130	574	0	0	2	6	2	16
	06/14	4	4	5	44	165	697	0	0	9	28	56	352
	06/15	-	-	4	46	188	703	0	0	4	8	52	346
	06/16	-	-	0	0	52	180	0	0	5	12	0	0
	06/17	-	-	6	80	104	375	0	0	4	12	30	317
	06/18	-	-	15	219	253	950	0	0	5	19	57	527
	06/21	-	-	8	159	50	267	0	0	15	65	178	1577
	06/22	-	-	2	44	134	668	0	0	1	3	125	751
	06/26	-	-	0	0	2	11	0	0	10	30	38	315
	06/29	-	-	0	0	5	36	0	0	29	120	46	388
	06/30	-	-	2	41	60	297	0	0	30	127	103	867
	07/02	-	-	0	0	0	0	0	0	18	80	1	8
	07/05	-	-	0	0	8	35	0	0	426	1513	85	685
	07/12	-	-	3	44	64	382	2	18	5218	22785	196	1810
	07/13	-	-	4	70	17	91	4	26	4642	18902	518	4954
	07/14	5	5	2	49	21	89	1	12	14736	60413	148	1211
	07/15	6	6	0	0	29	133	2	20	7505	32203	3615	27539
	07/19	17	17	1	27	4	22	4	33	51418	210616	3438	29489
	07/20	16	16	2	24	22	98	2	18	22788	87473	1057	8675
	07/21	6	6	1	32	4	17	0	0	21687	91201	193	1506
	07/22	13	14	0	0	2451	10056	0	0	29494	123473	1810	16031
	07/26	14	14	2	43	369	1766	5	41	14835	62328	513	4585
	07/27	11	11	0	0	16	84	4	34	19982	86169	238	2070
	07/28	6	6	0	0	17	76	0	0	6805	27623	341	2887
	07/29	8	8	0	0	2	10	1	8	3618	15546	97	804
	08/02	7	7	0	0	308	1661	28	273	6590	27763	54	429
	08/03	7	7	0	0	22	102	23	211	11227	46384	29	216
	08/04	-	-	0	0	21	96	9	64	3323	14326	22	165
	08/05	-	-	0	0	10	39	0	0	150	683	1	5
	08/06	-	-	0	0	138	616	7	47	3513	14840	5	37
	08/16	4	4	1	45	815	4044	50	503	3308	14237	16	99
	08/17	5	5	0	0	1408	6718	379	3738	5587	23968	30	227
	08/18	9	9	8	60	1139	5274	231	2277	4067	17153	30	256
	08/23	8	8	0	0	410	2091	164	1777	1405	5824	42	317
	08/24	-	-	0	0	0	0	128	1400	19	70	0	0
	08/25	-	-	0	0	57	266	32	361	120	498	1	7

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	08/26	-	-	0	0	59	262	1	10	21	89	0	0
	08/27	5	5	0	0	258	1201	127	1411	113	438	6	51
	09/01	-	-	0	0	155	816	117	1169	42	152	2	13
	09/02	-	-	0	0	75	440	2	19	4	15	0	0
	09/19	-	-	2	28	769	3578	35	377	0	0	0	0
	TOTAL	28	194	68	1055	9854	44994	1358	13847	242775	1007195	13179	109565
	AVG.WT.				15.51		4.57		10.20		4.15		8.31
25430	06/20	-	-	14	209	0	0	0	0	10	43	465	4638
	06/21	-	-	2	22	1	4	0	0	2	7	121	1066
	06/24	-	-	3	46	20	70	0	0	81	260	230	2242
	06/25	-	-	1	11	27	125	0	0	93	280	783	6708
	06/26	-	-	1	7	45	158	0	0	135	521	402	3353
	06/27	-	-	0	0	51	207	0	0	226	957	1059	10068
	06/28	4	4	3	60	26	119	0	0	365	1275	1292	11417
	06/29	-	-	16	246	246	1074	0	0	192	636	968	7212
	06/30	-	-	9	129	49	218	0	0	619	2377	745	5964
	07/01	4	4	0	0	17	57	0	0	628	2291	889	7638
	07/02	-	-	0	0	3	10	0	0	78	294	7	65
	07/03	-	-	0	0	1	4	0	0	88	371	191	1438
	07/04	-	-	1	26	6	26	0	0	1273	5420	2101	15724
	07/05	5	5	0	0	86	387	1	7	1177	4691	226	1970
	07/06	5	5	2	36	11	47	0	0	3225	12921	996	8712
	07/07	5	5	3	39	69	260	0	0	5710	21956	1655	14222
	07/08	10	10	5	203	49	203	0	0	6608	25186	1262	10399
	07/12	8	8	1	59	57	334	2	23	19026	76631	1780	15177
	07/13	10	10	32	543	195	855	18	124	16644	65711	1937	15671
	07/14	7	10	22	375	108	565	7	54	10345	42912	1290	10858
	07/15	9	10	28	343	48	234	12	114	16649	62952	1239	9992
	07/19	5	5	6	134	5	26	1	7	13433	48865	587	3870
	07/20	11	11	6	126	142	752	24	157	29242	115013	1847	14310
	07/21	-	-	0	0	0	0	0	0	2699	10817	0	0
	07/22	-	-	0	0	1	5	0	0	12499	53088	308	2518
	07/23	-	-	6	52	8	40	0	0	9652	33782	310	2484
	07/26	10	10	3	14	151	760	10	79	41558	163613	258	1977
	07/27	11	11	4	88	189	1026	3	27	23202	92811	1024	8427
	07/28	-	-	1	8	1	5	2	15	3341	12997	397	3222
	07/29	-	-	1	5	2	13	2	19	4503	18477	79	619
	08/02	-	-	2	32	150	1169	8	70	4070	17095	36	325
	08/03	-	-	2	61	320	1542	21	169	8030	33687	89	639
	08/04	-	-	0	0	362	1815	5	42	3443	14688	22	158
	08/05	-	-	3	57	228	1144	52	636	4917	20624	23	206
	08/06	4	4	0	0	239	1267	17	137	1628	6942	7	64
	08/16	-	-	0	0	350	1761	265	2635	1310	5191	7	56
	08/17	-	-	0	0	690	3303	161	1524	3570	15298	16	142
	08/18	-	-	0	0	467	2334	233	2293	3803	16181	20	135
	08/23	-	-	0	0	408	1976	491	4634	1427	5944	15	86
	08/24	8	8	0	0	1049	4872	1526	16087	2402	10140	41	334
	08/25	7	7	0	0	176	809	1087	11134	361	1455	17	114
	08/26	4	4	0	0	144	683	832	9124	230	964	6	40
	08/27	5	5	0	0	176	923	680	7517	143	581	18	106
	08/31	6	6	0	0	51	264	1984	22761	60	241	6	34
	09/01	12	12	0	0	352	1721	2179	25519	33	125	4	24
	09/02	11	11	1	26	162	763	1980	21027	70	237	4	25
	09/03	-	-	0	0	309	2169	173	1739	72	218	6	73
	TOTAL	47	215	178	2957	7247	36099	11776	127674	258872	1026766	24785	204522
	AVG.WT.				16.61		4.98		10.84		3.97		8.25
25440	06/10	-	-	26	379	186	762	0	0	1	3	16	143
	06/14	-	-	8	148	258	1271	0	0	7	25	6	49
	06/15	-	-	26	360	610	2584	0	0	63	244	48	376
	06/16	-	-	36	662	1356	5482	0	0	2	7	69	456
	06/18	-	-	3	25	397	1421	0	0	0	0	14	96
	06/19	-	-	6	99	190	825	0	0	10	38	26	186
	06/20	4	4	51	709	852	3612	0	0	2	7	53	382
	06/21	-	-	36	540	476	1989	0	0	13	32	87	553
	06/22	6	6	61	1082	1110	4737	0	0	10	24	159	969
	06/23	5	5	17	319	743	3039	0	0	7	21	98	630
	06/24	-	-	0	0	26	78	0	0	0	0	0	0
	06/26	10	10	63	994	2290	9105	0	0	109	345	314	1963
	06/30	-	-	0	0	532	2185	0	0	16	38	51	372
	07/01	-	-	0	0	372	1188	0	0	41	179	35	215
	07/02	4	4	1	15	718	3134	3	24	70	295	101	598
	07/03	6	6	1	21	807	3391	1	9	227	962	170	1161

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	07/04	-	-	0	0	17	71	0	0	.22	75	0	0
	07/06	-	-	0	0	35	157	2	17	180	690	15	123
	07/07	-	-	5	41	129	605	0	0	518	2001	83	681
	07/13	-	-	60	805	628	3137	40	337	3786	16047	764	6064
	07/14	-	-	13	182	39	196	2	16	1155	4172	246	1581
	07/15	6	6	5	82	337	1710	24	166	5500	17693	478	3111
	07/20	4	4	14	272	87	331	8	68	3494	14424	167	1279
	07/21	-	-	4	81	167	905	0	0	3959	16359	255	2192
	07/22	7	7	15	332	442	2059	60	405	16583	58013	864	6447
	07/26	-	-	1	22	178	1078	0	0	1294	5179	327	2551
	07/27	6	6	0	0	432	2074	3	29	6138	26302	1511	13072
	07/28	6	6	6	113	327	1619	9	60	11256	46276	407	3087
	07/29	-	-	7	109	77	349	15	126	7714	19287	41	332
	07/30	-	-	11	128	313	1716	32	267	3092	12834	250	2478
	08/02	7	7	7	155	1920	10005	59	551	18529	79178	93	789
	08/03	4	4	0	0	743	3909	93	816	4222	17157	97	604
	08/04	10	10	0	0	5451	26909	3	26	8272	35258	69	553
	08/06	-	-	0	0	75	344	7	64	1103	4638	2	15
	08/16	19	19	3	81	5366	26608	287	2539	9286	38616	13	102
	08/17	24	24	3	76	6667	32288	340	3124	15420	63220	39	292
	08/18	14	16	2	30	2669	12966	197	1808	7797	24910	54	371
	08/23	6	6	0	0	2699	12400	143	1508	3716	14806	9	70
	08/24	13	13	1	17	3385	15373	302	3056	3006	12375	13	100
	08/25	10	10	8	115	3847	17379	430	3775	3581	10384	38	303
	08/26	9	9	0	0	1404	6469	781	8112	949	3875	58	346
	08/27	4	4	0	0	612	2784	82	505	216	769	6	43
	08/29	-	-	0	0	59	277	10	112	8	36	0	0
	08/31	-	-	0	0	540	2571	136	1465	28	114	0	0
	09/01	4	5	8	137	764	3543	309	3834	177	616	4	20
	09/02	-	-	0	0	422	2066	126	1453	52	222	0	0
	09/09	-	-	0	0	927	6494	50	406	0	0	0	0
	09/19	-	-	6	102	100	488	80	770	0	0	2	12
	TOTAL	80	235	514	8233	51781	243683	3634	35448	141631	547746	7152	54767
	AVG.WT.				16.01		4.71		9.75		3.87		7.66
25450	07/30	-	-	0	0	492	2412	0	0	1363	5315	0	0
	08/04	-	-	0	0	312	1374	0	0	404	1720	10	80
	08/10	24	24	0	0	17820	90917	2	31	2258	8868	77	549
	08/11	28	28	0	0	16956	89849	3	25	3639	15128	56	476
	08/12	26	27	0	0	11276	60098	19	185	2574	10913	37	290
	08/13	29	31	0	0	16547	83451	59	535	4275	16533	25	190
	08/14	30	30	0	0	10021	50246	13	132	3254	13501	13	99
	08/15	26	26	0	0	3974	20479	24	253	1979	7353	8	59
	08/16	-	-	0	0	1061	5828	3	40	627	2541	0	0
	08/18	-	-	0	0	277	1384	12	131	555	2227	0	0
	08/19	19	20	0	0	1862	9363	124	918	2388	8838	6	36
	08/20	17	17	0	0	2859	13753	101	788	1234	5175	1	6
	08/21	18	18	0	0	3897	19273	19	183	984	3448	2	17
	08/22	18	18	0	0	2665	13624	83	909	802	3272	1	8
	08/23	7	7	0	0	3182	16899	86	1064	825	2822	1	8
	08/24	4	5	0	0	455	2326	83	1037	254	1006	2	18
	08/25	6	6	0	0	1564	7316	79	773	917	3403	0	0
	08/26	7	7	0	0	899	4378	32	315	191	742	3	21
	08/27	7	7	0	0	1296	6373	28	237	230	894	6	39
	08/28	-	-	0	0	493	2428	29	308	49	157	0	0
	08/29	9	10	0	0	1715	8077	85	887	177	580	0	0
	08/30	7	7	0	0	2282	9632	85	950	101	363	0	0
	08/31	6	6	0	0	6413	30586	85	1003	300	1118	1	7
	09/01	7	8	0	0	2795	12199	393	3982	150	585	1	7
	09/02	-	-	0	0	350	2100	158	1267	42	170	3	25
	09/03	8	8	0	0	676	3467	72	811	0	0	0	0
	09/04	6	6	0	0	684	3450	13	144	0	0	3	16
	09/05	-	-	0	0	314	1534	48	526	18	55	0	0
	09/06	-	-	0	0	874	5056	4	32	0	0	0	0
	09/07	4	7	0	0	2950	13428	28	283	0	0	0	0
	09/09	-	-	0	0	11	83	3	24	0	0	3	27
	09/12	-	-	0	0	2567	12834	81	569	0	0	0	0
	09/13	-	-	0	0	363	1814	711	4978	0	0	38	263
	09/16	-	-	0	0	3495	20967	6	67	0	0	0	0
	09/17	-	-	0	0	1020	5176	1	19	0	0	0	0
	09/20	-	-	0	0	988	4941	9	64	0	0	0	0
	TOTAL	60	347	0	0	125405	637115	2581	23470	29590	116727	297	2241
	AVG.WT.				0.00		5.08		9.09		3.94		7.55

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
25510	06/16	8	8	72	880	1790	9120	0	0	83	255	1009	6014
	06/17	8	8	137	2370	3495	15352	0	0	25	70	1656	9810
	06/18	19	21	750	9905	9479	46481	0	0	59	164	1924	13237
	06/19	11	11	250	3508	3780	16484	0	0	29	88	1152	7464
	06/20	20	21	330	5594	7094	32888	0	0	166	472	2035	12303
	06/21	22	23	150	2379	7408	33534	1	8	290	824	2152	13911
	06/22	21	22	273	4060	6320	28284	0	0	42	120	1440	9025
	06/23	19	19	175	2502	4088	18134	1	6	46	163	988	6472
	06/24	6	6	161	2336	2040	8684	0	0	48	127	459	3184
	06/25	8	8	195	2633	2263	10151	0	0	42	149	581	3680
	06/26	-	-	2	55	179	745	0	0	8	27	151	1101
	06/27	5	5	204	2919	4624	19340	0	0	60	239	491	2996
	06/28	23	23	81	1056	3251	14223	0	0	115	364	543	3008
	06/29	12	12	110	1892	2573	11365	0	0	158	519	622	3664
	06/30	8	8	43	795	2204	9721	0	0	63	257	1389	10119
	07/01	11	13	60	1075	6439	28904	1	9	558	2180	3968	22330
	07/02	9	9	46	695	2602	10121	9	63	794	2140	4180	29281
	07/03	5	5	19	239	1839	8275	1	6	271	943	309	1922
	07/04	9	9	53	878	4854	22392	1	10	1227	4571	2185	12644
	07/05	16	16	57	895	5710	25596	6	40	2734	10327	2592	15959
	07/06	8	8	135	1573	3300	13881	18	130	4337	14910	2108	14287
	07/07	12	12	151	1711	4138	18638	23	160	3388	12316	1970	12761
	07/08	13	13	81	1164	3344	14019	13	114	2268	7705	1676	10908
	07/09	16	16	54	775	4921	23146	35	262	3177	11436	952	6444
	07/10	16	18	34	600	7368	33857	34	243	3431	12508	1315	7307
	07/11	5	5	4	75	1068	4702	7	52	450	1825	81	553
	07/12	-	-	3	56	389	1845	3	22	276	1180	39	210
	07/14	-	-	0	0	298	1447	2	15	824	3387	101	888
	07/15	4	4	2	57	1103	5260	2	14	1522	6746	108	754
	07/20	-	-	8	100	1137	6139	0	0	2009	9384	11	59
	07/21	4	4	12	225	1086	4941	0	0	3955	17475	68	458
	07/26	-	4	5	69	667	3010	53	453	6079	15203	129	1035
	07/27	4	4	0	0	448	2043	28	208	2557	10823	35	203
	07/28	7	8	7	134	1132	5327	122	1039	8444	31946	63	486
	07/29	5	5	8	213	868	4343	61	580	5329	17556	32	259
	07/30	-	-	12	183	381	1717	3	28	7594	18987	28	231
	08/06	-	-	1	12	519	2382	4	23	1464	6298	3	24
	09/24	-	-	0	0	594	2968	258	1809	0	0	4	30
	09/27	-	-	0	0	400	1614	43	618	0	0	0	0
	09/30	-	-	0	0	971	2914	43	507	0	0	0	0
	10/01	-	-	0	0	850	3831	75	733	0	0	0	0
	TOTAL	94	363	3685	53613	117014	527818	847	7152	63922	223684	38549	245021
	AVG.WT.				14.55		4.51		8.44		3.50		6.36
25520	06/16	4	4	137	1777	1097	5061	0	0	8	30	369	2239
	06/17	6	6	98	1360	2278	9733	0	0	60	150	776	4928
	06/18	5	5	89	1237	1206	4658	0	0	86	295	237	1479
	06/19	11	11	213	3185	4225	17818	0	0	57	173	1188	7335
	06/20	10	12	202	3174	3697	16335	1	8	63	188	910	5846
	06/21	12	12	124	2037	3108	13163	0	0	24	68	481	2591
	06/22	11	11	141	1566	3713	16177	0	0	64	201	903	5312
	06/23	7	7	66	803	2642	9665	0	0	13	48	261	1908
	06/24	6	6	5	103	1492	5420	0	0	4	16	264	1876
	06/25	-	-	28	376	1445	5505	0	0	25	87	345	2292
	06/26	4	4	17	148	1480	5851	0	0	57	169	440	2980
	06/27	10	10	29	496	4123	17031	0	0	247	869	735	5149
	06/28	18	18	37	653	3304	12992	0	0	261	845	437	3480
	06/29	9	9	22	309	1248	4598	0	0	130	362	184	1368
	06/30	12	12	40	630	3821	14727	0	0	443	1339	1060	7985
	07/01	10	10	16	237	3098	11854	2	18	423	1292	374	2561
	07/02	6	6	23	349	3490	13731	0	0	427	1927	519	3365
	07/03	11	11	39	552	4547	20223	3	21	1116	4021	1243	7448
	07/04	9	9	39	594	4096	18393	4	29	1119	4331	1066	6854
	07/05	5	5	9	157	2093	9183	0	0	1113	4166	927	5608
	07/06	7	7	18	246	2041	8558	23	179	1652	5913	353	2246
	07/07	8	8	46	575	2340	10019	7	65	952	3683	409	2444
	07/08	5	5	32	405	1816	7851	9	64	650	2651	285	1799
	07/09	-	-	2	29	1197	5320	1	7	386	1620	56	306
	07/10	-	-	1	33	193	910	3	22	71	286	11	70
	07/13	-	-	0	0	641	3129	8	50	727	2783	58	373
	07/14	7	7	6	162	1181	5539	3	31	2510	8393	152	986
	07/15	-	-	3	58	275	1375	3	21	375	1510	14	110
	07/19	-	-	6	70	2456	11251	18	188	6032	27098	408	2967

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	07/20	9	9	32	449	2509	12275	214	1499	11218	47228	666	4416
	07/21	6	6	6	93	2031	9312	55	468	7490	30306	320	2383
	07/22	6	6	6	139	1281	6762	8	78	3464	16772	35	236
	07/23	-	-	0	0	566	2917	18	183	2380	10920	242	1389
	07/26	4	4	6	138	1027	4905	38	264	8617	27071	19	127
	07/27	6	6	9	199	777	3690	38	302	5169	21106	76	583
	07/28	4	4	4	89	928	4258	48	436	4306	19032	29	212
	07/29	10	10	12	246	1363	6491	238	1875	15000	52839	257	1982
	07/30	-	-	0	0	450	2420	27	320	1348	6568	91	921
	08/04	-	-	0	0	25	134	3	27	132	553	0	0
	08/05	-	-	0	0	701	3108	1	8	2594	10990	4	21
	08/06	5	5	0	0	1640	7632	48	431	6167	24294	9	61
	TOTAL	92	266	1563	22674	81641	349974	821	6594	86980	342193	16213	106236
	AVG.WT.				14.51		4.29		8.03		3.93		6.55
25610	08/06	-	-	0	0	399	1710	0	0	140	612	0	0
	TOTAL	-	-	0	0	399	1710	0	0	140	612	0	0
	AVG.WT.				0.00		4.29		0.00		4.37		0.00
25620	07/21	9	9	1	16	7813	36203	36	259	2254	9347	69	551
	07/22	14	14	6	101	9317	44593	47	387	4262	18165	81	645
	07/23	-	-	0	0	2424	11425	50	400	1253	3433	167	1342
	07/26	9	9	5	117	6119	28005	4	37	6787	27033	21	169
	07/27	6	6	1	33	3036	14378	0	0	2261	9091	16	137
	07/28	6	6	0	0	637	2921	0	0	1687	7398	18	116
	07/29	-	-	1	20	1191	5934	0	0	3120	13541	0	0
	08/05	10	11	3	69	8175	37481	10	105	8155	34190	40	235
	08/06	8	8	0	0	3447	16260	9	58	4493	19669	3	19
	08/24	-	-	0	0	780	3540	43	366	341	1369	33	168
	08/25	-	-	1	16	2011	11015	217	1900	1206	4654	85	705
	08/26	-	-	0	0	1323	7598	109	734	931	3617	60	353
	08/27	-	-	1	20	136	755	20	222	28	105	10	95
	08/31	-	-	0	0	80	432	951	11237	70	296	1	8
	09/01	6	6	0	0	269	1534	2470	27439	93	302	17	183
	09/02	4	4	4	52	693	3562	365	3914	48	200	18	132
	09/03	11	11	2	21	2498	13378	1091	11287	268	1021	96	628
	09/04	-	-	1	23	300	1627	91	917	8	32	8	40
	09/05	-	-	0	0	438	2095	117	1136	19	57	38	278
	09/06	-	4	0	0	748	3879	898	10890	201	730	31	174
	09/07	-	-	0	0	263	1319	68	771	0	0	8	55
	09/08	-	-	3	52	743	4027	86	949	7	13	52	279
	09/10	-	-	0	0	483	2318	57	632	0	0	46	272
	TOTAL	50	113	29	540	52924	254279	6739	73640	37492	154263	918	6584
	AVG.WT.				18.62		4.80		10.93		4.11		7.17
25625	07/21	-	-	0	0	1691	7283	0	0	1193	3680	18	151
	07/22	5	5	0	0	2486	10870	23	195	1612	5170	7	54
	07/23	-	-	0	0	15	100	1	11	25	87	0	0
	07/26	-	-	0	0	1386	6781	8	65	2543	10676	6	44
	07/28	-	-	0	0	740	4144	9	62	2683	9501	3	24
	07/29	-	-	0	0	295	1354	1	5	813	3640	1	9
	08/06	-	-	3	49	425	2042	30	213	2107	8430	12	99
	08/26	-	-	0	0	3752	19862	270	2735	2327	8784	126	891
	09/01	-	-	2	26	514	2570	112	1124	105	420	0	0
	09/02	-	-	0	0	303	1367	80	642	75	188	0	0
	TOTAL	14	19	5	75	11607	56373	534	5052	13483	50576	173	1272
	AVG.WT.				15.00		4.86		9.46		3.75		7.35
25630	07/20	-	-	4	85	1200	6752	0	0	1200	4926	20	158
	07/21	15	18	21	489	7296	38290	56	462	10680	43183	237	1752
	07/22	-	-	1	16	1708	8154	27	231	2126	8803	24	179
	07/23	-	-	0	0	296	1029	3	19	241	1006	4	26
	07/26	6	6	102	1574	3275	15317	53	513	6583	23385	33	299
	07/27	9	9	35	502	2474	11369	63	544	4189	16779	73	576
	07/28	11	11	13	233	4023	18426	89	768	15141	44594	55	451
	07/29	10	10	0	0	3435	16631	39	368	12206	40182	50	417
	07/30	4	4	4	54	2813	13737	59	483	10355	32266	23	194
	08/04	-	-	20	346	1484	7421	200	1527	9206	35011	130	913
	08/05	-	-	1	17	157	785	8	67	841	3209	3	21
	08/06	6	6	13	197	2282	11456	309	2434	10608	42993	51	372
	08/07	4	4	43	579	4250	20454	447	3388	15795	42011	1248	8906
	08/25	-	-	0	0	212	950	70	620	122	485	17	129
	08/26	-	-	1	22	508	2475	130	1301	284	1149	45	321
	08/27	-	-	0	0	228	1202	15	140	125	532	3	21
	09/01	7	7	1	12	4320	21488	1431	14880	533	2035	129	867

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	09/02	4	4	1	6	1322	6618	466	3274	190	672	57	415
	09/03	-	-	0	0	147	882	110	1095	57	172	6	49
	TOTAL	50	93	260	4132	41430	203436	3575	32114	100482	343393	2208	16066
	AVG.WT.				15.89		4.91		8.98		3.42		7.28
25640	07/26	-	-	0	0	547	2579	17	167	1477	4887	11	88
	07/27	-	-	7	109	227	1308	0	0	587	1764	3	15
	TOTAL	4	5	7	109	774	3887	17	167	2064	6651	14	103
	AVG.WT.				15.57		5.02		9.82		3.22		7.36
25710	06/26	-	-	7	143	829	3699	0	0	6	18	10	83
	06/27	4	4	25	514	2577	11314	1	6	1200	5535	89	712
	06/28	-	-	2	45	157	679	0	0	2	6	1	8
	06/29	-	-	0	0	418	1999	0	0	0	0	10	88
	07/01	-	-	3	61	2143	10363	1	8	57	200	95	785
	07/02	-	-	4	102	985	4170	1	6	27	82	29	400
	07/10	-	-	2	46	425	2275	2	11	100	347	8	51
	07/14	-	-	0	0	420	1765	0	0	132	375	20	109
	07/19	-	-	0	0	437	1910	0	0	740	2220	5	35
	07/20	-	-	3	60	1154	4890	0	0	2742	7340	92	675
	07/21	-	-	0	0	515	2215	0	0	901	2885	15	110
	07/22	-	-	2	55	685	3215	0	0	2501	7963	33	232
	08/06	-	-	0	0	89	438	1	8	508	2187	9	80
	08/18	-	-	0	0	738	3859	2	27	250	874	6	44
	08/28	-	-	2	40	662	2963	0	0	3	9	5	33
	TOTAL	16	23	50	1066	12234	55754	8	66	9169	30041	427	3445
	AVG.WT.				21.32		4.56		8.25		3.28		8.07
25720	06/09	15	15	237	3222	9161	39872	0	0	1	4	45	401
	06/17	10	10	106	1983	3408	15441	0	0	18	69	25	211
	06/18	-	-	39	593	1225	5202	0	0	0	0	128	641
	06/19	16	16	116	2172	7883	35230	0	0	20	65	74	657
	06/20	15	16	121	2098	10987	50980	0	0	64	191	159	1301
	06/21	16	16	123	1926	14115	64909	1	12	105	314	244	1835
	06/22	22	22	137	2232	19304	88676	0	0	804	3788	255	2082
	06/23	-	-	2	39	1787	8235	0	0	3	12	24	200
	06/26	5	5	35	626	3114	14098	1	7	27	94	58	478
	06/27	7	7	23	470	3076	13746	0	0	42	125	97	669
	06/28	24	25	90	1920	15287	73291	3	17	77	260	252	1936
	06/29	25	25	54	1086	10220	46435	2	12	50	154	607	4671
	06/30	22	22	39	778	6559	29239	4	49	92	293	156	1306
	07/01	19	19	27	576	8747	39746	10	74	237	809	344	2872
	07/02	22	24	46	817	14356	63715	3	20	412	1423	467	3915
	07/03	-	-	7	95	975	4145	0	0	40	148	31	246
	07/06	6	6	25	559	4797	23154	17	118	910	3361	283	1969
	07/07	9	9	59	940	10614	47977	73	557	1165	4593	523	3997
	07/08	16	16	55	1077	15961	73307	47	425	1894	7288	644	4797
	07/09	17	18	19	313	11320	50097	13	105	1407	5932	270	2042
	07/10	19	20	28	491	12872	61802	17	133	2216	8368	507	3939
	07/11	19	19	10	196	13089	63829	62	438	2776	11060	219	1583
	07/12	11	12	9	172	10604	48354	5	39	2562	10529	244	2157
	07/13	14	15	14	276	10033	46791	8	69	3610	13879	3421	26757
	07/14	13	13	5	114	6984	31983	18	121	3120	13532	185	1479
	07/15	22	22	7	103	6801	31559	53	377	4916	18682	340	2563
	07/19	25	27	16	386	12362	61023	63	496	27366	113953	1374	10560
	07/20	9	9	5	170	2555	12234	9	70	6815	30239	641	5138
	07/21	15	15	6	168	7615	36494	22	166	14403	64344	387	2894
	07/22	10	10	0	0	4197	19614	6	41	7841	34695	163	1290
	07/23	-	-	0	0	674	3322	0	0	3453	14909	40	343
	07/26	5	5	4	70	2043	9644	4	44	10531	36470	55	425
	07/27	-	-	3	40	859	3908	1	6	19191	64142	160	1226
	07/28	17	17	15	360	6081	28892	33	314	29626	138437	634	4895
	07/29	22	22	7	167	4867	23620	34	286	34894	152764	449	3613
	08/03	-	-	0	0	260	1226	16	179	1440	6483	84	679
	08/04	23	23	14	316	6669	31702	163	1306	45374	201225	1279	10208
	08/05	21	21	18	464	5358	27058	143	1239	33433	148388	744	6352
	08/06	28	29	24	569	5658	29467	151	1367	31791	138739	617	4937
	08/16	-	-	1	20	2887	13568	86	604	937	4028	113	906
	08/17	14	14	7	142	9962	47292	427	3565	6874	30883	1866	15103
	08/18	10	10	10	260	7500	35540	282	2422	2428	10224	330	2559
	08/19	-	-	0	0	360	1621	14	117	298	746	40	323
	08/23	-	-	0	0	20	143	24	260	21	83	10	65
	08/24	4	4	0	0	59	294	88	749	95	365	71	551
	08/25	-	-	6	155	1055	4865	204	2028	328	1157	105	815
	08/26	9	9	2	30	2197	10495	868	7579	729	2834	339	2747

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	08/27	5	5	2	41	1783	11212	469	4665	681	3009	155	1375
	08/29	-	-	6	73	239	1306	107	973	250	756	22	158
	08/30	6	6	0	0	1716	8656	550	5432	11	36	142	1038
	08/31	6	6	2	31	2428	12738	780	7306	80	325	295	2377
	09/01	7	7	1	32	3163	17724	553	5296	0	0	406	2948
	09/02	7	7	2	44	3179	18688	444	4675	0	0	179	1402
	09/03	7	7	3	64	4318	22612	421	3959	0	0	271	1871
	09/04	10	10	1	25	2496	14021	618	6876	0	0	133	983
	09/05	7	7	1	19	2922	14878	2056	16206	81	318	244	1918
	09/06	-	-	2	23	1012	5250	213	2368	0	0	69	606
	09/07	5	5	0	0	795	4210	140	1595	0	0	39	293
	09/08	5	5	0	0	839	4206	425	4109	0	0	126	892
	09/09	6	6	1	20	680	3830	250	2843	0	0	69	454
	09/10	-	-	4	103	786	4107	92	944	0	0	103	672
	09/11	-	-	0	0	801	4099	243	2617	0	0	184	1198
	09/12	4	4	0	0	613	3142	117	1164	0	0	132	891
	09/16	-	-	0	0	7	35	16	148	0	0	26	199
	TOTAL	97	693	1596	28666	344294	1624549	10469	96587	305539	1304525	21698	169608
	AVG.WT.				17.96		4.72		9.23		4.27		7.82
25740	09/05	-	-	0	0	11	64	241	2752	0	0	1400	11834
	09/06	5	6	0	0	235	1238	858	9210	0	0	2170	19071
	09/07	-	-	0	0	128	553	278	2809	0	0	246	1940
	09/08	-	-	0	0	12	49	40	497	0	0	24	220
	09/09	-	-	0	0	6	23	30	310	0	0	3	18
	09/11	-	-	0	0	135	677	128	1484	0	0	51	442
	09/12	-	-	0	0	139	582	363	3992	0	0	50	395
	09/16	-	-	0	0	252	1473	423	3333	0	0	391	3151
	09/19	-	-	0	0	1	5	9	99	0	0	21	168
	TOTAL	10	18	0	0	919	4664	2370	24486	0	0	4356	37239
	AVG.WT.				0.00		5.08		10.33		0.00		8.55
25741	09/04	-	-	0	0	500	2557	68	704	0	0	94	679
	09/05	-	-	0	0	83	415	205	2073	20	62	92	685
	09/17	-	-	0	0	519	2365	279	3082	0	0	63	478
	TOTAL	-	-	0	0	1102	5337	552	5859	20	62	249	1842
	AVG.WT.				0.00		4.84		10.61		3.10		7.40
25750	06/17	5	5	24	550	1263	5762	0	0	8	29	17	131
	06/18	-	-	2	23	739	3315	0	0	9	32	7	64
	06/19	-	-	2	50	445	2102	0	0	4	17	7	63
	06/20	-	-	0	0	118	590	0	0	0	0	1	7
	06/26	-	-	0	0	647	2959	0	0	6	24	16	120
	06/28	-	-	0	0	516	2340	0	0	7	25	38	364
	06/29	4	4	0	0	916	3727	0	0	16	59	53	464
	06/30	-	-	0	0	165	707	0	0	13	61	1	8
	07/01	-	-	1	22	1912	8296	0	0	17	72	28	241
	07/02	-	-	0	0	100	460	0	0	6	19	11	103
	07/06	-	-	0	0	825	3979	0	0	51	199	35	392
	07/07	-	-	0	0	1425	6253	4	24	193	785	57	740
	07/08	-	-	0	0	152	624	2	26	38	154	8	56
	07/09	5	5	0	0	1171	5038	4	27	384	1311	58	416
	07/10	4	4	0	0	1046	4708	7	52	156	681	76	410
	07/15	-	-	0	0	118	533	1	7	172	670	8	92
	07/19	-	-	0	0	615	2878	1	5	1184	4827	116	1147
	07/20	-	-	0	0	735	3746	0	0	600	2573	95	803
	07/21	-	-	0	0	0	0	0	0	127	496	2	19
	07/22	-	-	0	0	67	309	0	0	204	887	147	1344
	07/26	4	4	1	20	135	687	0	0	7499	31742	327	3051
	07/27	-	-	0	0	26	139	0	0	2048	8240	12	96
	07/28	4	4	0	0	90	462	0	0	3884	17034	123	1101
	07/29	-	-	0	0	60	258	0	0	1144	4847	47	458
	08/02	-	-	0	0	0	0	0	0	23680	89987	1	7
	08/04	8	8	0	0	566	2823	3	19	19382	87988	166	1241
	08/05	-	-	0	0	97	487	1	6	12317	54334	60	577
	08/06	-	-	0	0	181	889	0	0	3721	16255	63	817
	08/16	-	-	0	0	11	58	5	54	182	774	75	597
	08/17	-	-	0	0	2	11	9	78	157	684	2570	20621
	08/23	-	-	0	0	67	282	69	520	403	1740	433	3485
	08/24	-	-	0	0	46	220	83	738	455	1821	157	1288
	08/25	-	-	0	0	29	130	78	625	107	435	540	4591
	08/29	6	6	1	24	873	4736	1052	9976	598	2237	2690	25171
	08/30	-	-	0	0	7	50	50	450	6	21	61	432
	09/05	-	-	0	0	289	1542	230	2327	0	0	235	1998
	TOTAL	29	87	31	689	15454	71100	1599	14934	78778	331060	8341	72515
	AVG.WT.				22.23		4.60		9.34		4.20		8.69

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
25760	06/15	-	-	0	0	468	2342	0	0	0	0	2	12
	06/17	-	-	2	36	1760	7720	0	0	5	15	5	43
	06/18	-	-	3	69	1542	6723	0	0	0	0	14	115
	06/19	-	-	11	254	1695	7564	0	0	10	37	13	124
	06/20	-	-	3	41	1147	4703	0	0	3	10	2	20
	06/22	-	-	0	0	1423	6220	0	0	13	38	15	204
	06/26	-	-	0	0	963	4433	0	0	16	36	21	192
	06/27	-	-	0	0	406	1757	0	0	5	18	13	98
	06/28	-	-	3	81	1709	7669	0	0	20	62	34	307
	06/29	-	-	1	35	912	3857	0	0	12	55	9	85
	06/30	-	-	1	30	396	1672	0	0	6	21	8	88
	07/01	-	-	0	0	1235	5389	2	14	43	168	28	232
	07/06	-	-	5	83	2248	10259	9	53	363	1414	59	481
	07/07	-	-	13	191	874	4059	1	21	80	322	43	375
	07/08	4	4	8	169	2771	12859	24	129	451	1629	122	1041
	07/09	5	5	2	64	2416	11065	5	37	529	2251	75	612
	07/10	-	-	0	0	701	3095	0	0	229	901	23	179
	07/12	-	-	0	0	101	507	0	0	139	514	14	95
	07/13	-	-	0	0	1090	5907	15	96	923	3507	94	709
	07/14	-	-	0	0	481	2290	1	5	284	1234	44	363
	07/15	-	-	0	0	9	46	0	0	8	26	1	10
	07/23	-	-	0	0	18	106	0	0	1175	4789	2	16
	07/29	-	-	0	0	23	140	6	40	2674	10697	29	160
	07/30	-	-	0	0	233	1290	5	34	8630	34064	113	863
	08/02	5	6	0	0	60	327	3	28	26818	99554	107	694
	08/03	5	5	1	45	117	640	6	46	7355	31499	171	1306
	08/05	4	4	0	0	44	211	1	10	2489	10209	9735	74752
	08/06	7	8	0	0	189	999	6	42	7322	33678	9904	79092
	08/16	4	4	0	0	43	208	6	57	11986	52303	14	113
	08/17	6	6	0	0	143	838	31	234	4884	21460	5773	47372
	08/18	7	7	0	0	1075	5030	46	388	6008	25434	2664	21529
	08/23	7	7	0	0	101	475	16	150	5676	22889	2485	21356
	08/24	8	8	0	0	451	2367	42	351	3345	13523	1758	14413
	08/25	4	4	1	22	659	3528	161	1410	1634	6450	803	5924
	08/27	4	4	0	0	839	4991	219	2325	1102	4648	1203	11495
	08/28	5	5	1	20	394	1865	256	1804	246	1070	6767	54167
	08/29	8	8	1	24	830	4787	501	5122	575	2340	2898	26585
	08/30	5	5	0	0	78	387	136	1297	94	390	1787	16460
	09/04	-	-	0	0	0	0	0	0	0	0	1297	11955
	09/07	-	-	0	0	370	2065	313	3122	0	0	182	1630
	09/09	-	-	0	0	140	678	15	172	0	0	15	101
	09/10	-	-	0	0	2	10	3	34	0	0	2770	22170
	09/11	-	-	0	0	0	0	22	225	0	0	422	3065
	09/12	-	-	0	0	69	343	47	422	0	0	12	88
	TOTAL	42	137	56	1164	30225	141421	1898	17668	95152	387255	51550	420691
	AVG.WT.				20.79		4.68		9.31		4.07		8.16
25770	06/09	-	-	5	113	171	698	0	0	0	0	1	12
	06/17	5	5	7	233	1695	7292	0	0	8	24	13	114
	06/18	4	5	6	150	872	3911	0	0	11	33	9	81
	06/19	-	-	0	0	377	1550	0	0	0	0	5	25
	06/20	-	-	0	0	591	3245	0	0	3	9	3	30
	06/21	-	-	1	14	335	1426	0	0	3	10	6	63
	06/22	5	5	9	171	2691	12223	1	9	50	166	35	330
	06/26	-	-	0	0	752	3655	0	0	40	129	14	148
	06/27	4	4	0	0	1755	6989	0	0	62	198	27	225
	07/02	-	-	0	0	885	3520	0	0	11	47	8	71
	07/06	-	-	0	0	937	4111	5	36	183	701	57	441
	07/07	-	-	0	0	554	2569	0	0	98	382	29	211
	07/08	-	-	1	17	1296	6416	13	98	500	2000	84	835
	07/09	-	-	1	18	360	1727	5	40	125	499	26	168
	07/11	-	-	1	20	100	548	0	0	186	745	40	217
	07/12	-	-	13	318	1895	10108	14	112	2423	9597	190	1430
	07/13	-	-	2	31	2394	12482	14	124	1204	4820	98	652
	07/26	10	11	1	44	602	3639	4	33	65459	281707	125	962
	07/27	19	21	0	0	1359	6714	28	198	78620	337304	392	3325
	07/28	10	13	2	45	401	2086	13	112	43343	172508	206	1773
	07/29	8	8	2	38	646	3408	17	136	22488	93161	146	1178
	07/30	-	-	2	26	156	702	0	0	3442	8605	14	119
	08/01	-	-	0	0	1	8	0	0	7347	34460	0	0
	08/02	31	34	1	21	737	3775	1	7	167163	731839	437	3557
	08/03	32	33	0	0	645	3301	15	133	57673	249747	654	6111
	08/04	-	-	1	26	32	176	21	166	4998	19258	94	725
	08/05	6	6	0	0	164	763	17	54	15569	61604	113	879
	08/06	4	4	0	0	123	610	16	119	12578	54962	47	418
	08/16	9	9	0	0	12	61	7	70	46085	206943	734	6181
	08/17	-	-	0	0	4	11	0	0	1586	6815	0	0
	08/18	-	-	2	61	172	812	32	225	2665	11468	33	271

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	08/24	5	5	1	35	1243	6381	426	3909	1538	6318	970	8568
	08/25	-	-	1	36	270	1385	50	470	160	605	34	305
	08/26	-	-	1	35	876	4780	216	1898	447	1838	116	1032
	08/30	-	-	1	24	19	95	52	505	13	55	2	20
	09/02	-	-	0	0	304	1564	132	1500	0	0	14	95
	09/03	-	-	0	0	520	2661	81	835	0	0	9	60
	09/04	-	-	0	0	284	1490	106	1175	0	0	50	413
	09/06	-	-	0	0	4	19	4	30	0	0	12	85
	TOTAL	53	201	61	1476	26234	126911	1290	11994	536081	2298557	4847	41130
	AVG.WT.				24.20		4.84		9.30		4.29		8.49
25810	06/21	-	-	1	30	419	2112	0	0	168	495	48	305
	06/22	4	4	1	20	756	3805	0	0	251	770	69	515
	07/06	9	9	12	138	1917	9912	605	4100	1440	5168	1036	6923
	07/07	14	16	35	466	4020	20453	1346	8830	1810	6251	3831	23616
	07/08	14	14	50	844	2717	12484	618	4781	1085	3739	4796	28229
	07/09	-	-	1	7	63	385	51	363	24	75	151	913
	07/12	7	7	1	15	2403	12943	282	1853	1534	5793	371	2411
	07/13	7	7	2	47	3030	15414	651	4374	1588	6142	534	3378
	07/14	6	7	7	108	1893	10136	803	5861	1555	5115	602	5165
	07/15	10	10	12	284	3099	16760	790	5403	1825	7645	458	3431
	07/19	6	6	2	60	327	1666	164	1318	744	3175	71	474
	07/20	-	-	2	38	159	861	85	640	435	1905	262	2145
	07/27	-	-	14	359	393	2366	6	59	2574	10298	979	6873
	07/28	-	-	14	264	225	1354	5	47	1896	7584	433	3033
	07/29	-	-	3	43	171	689	7	31	1260	4799	341	1380
	08/06	-	-	1	14	97	580	107	854	911	3641	503	4023
	08/16	-	-	0	0	4	25	11	81	328	1282	285	1968
	08/17	-	-	0	0	8	35	6	40	4919	19190	2124	14670
	08/18	4	4	4	63	9	59	153	1266	928	2802	5175	44228
	08/19	-	-	25	551	110	775	464	3725	1820	5464	4814	38177
	TOTAL	38	103	187	3351	21820	112814	6154	43626	27095	101333	26883	191857
	AVG.WT.				17.92		5.17		7.09		3.74		7.14
25820	06/22	-	-	3	29	69	346	0	0	6	13	11	67
	07/06	-	-	0	0	11	55	0	0	33	116	90	900
	07/08	-	-	2	18	303	1211	67	334	130	392	379	2430
	07/12	-	-	0	0	130	565	5	46	50	190	89	659
	07/13	6	6	4	93	953	4515	8	59	1329	5109	1422	11252
	07/14	4	4	0	0	522	2987	66	526	404	1763	144	1205
	07/15	4	4	3	41	353	1776	5	42	687	3072	580	4825
	07/19	-	-	2	49	517	2689	9	73	969	4317	501	4523
	07/20	5	5	0	0	157	830	5	33	762	3268	713	5335
	07/21	-	-	0	0	53	310	0	0	5446	25266	484	3781
	07/22	4	4	1	15	216	1113	8	61	1242	5449	265	2258
	07/23	-	1	0	0	71	356	2	12	418	1591	174	1187
	07/26	11	11	3	63	3839	17587	2	11	15603	62172	1057	9303
	07/27	5	5	1	27	804	4008	7	54	5733	25488	956	8302
	07/28	-	-	0	0	570	2626	0	0	986	5081	0	0
	07/29	-	-	2	5	151	753	0	0	2161	8612	401	1759
	07/30	-	-	5	67	178	999	8	52	2500	8750	361	3256
	08/02	-	-	1	15	165	862	6	50	18238	82860	544	4808
	08/03	6	7	2	23	545	2700	29	208	10616	48255	1814	15247
	08/04	4	4	1	23	692	3006	41	444	8311	35582	2848	20405
	08/05	-	-	2	29	568	2585	6	60	3101	13596	821	7175
	08/06	5	5	9	136	1147	5029	25	186	12285	50806	2303	18405
	08/16	6	6	0	0	63	278	77	668	1285	5469	7939	57667
	08/17	5	5	3	43	27	118	119	867	655	2739	2385	16943
	08/18	-	-	5	70	94	428	265	2038	1615	5241	3116	25552
	09/20	-	-	0	0	8	41	0	0	0	0	89	537
	09/22	-	-	1	18	1	4	452	5417	0	0	11	61
	TOTAL	33	93	50	764	12207	57777	1212	11241	94565	405197	29497	227842
	AVG.WT.				15.28		4.73		9.27		4.28		7.72
25830	07/06	5	5	5	81	880	4459	166	1238	400	1606	671	4811
	07/07	10	11	40	572	2348	11870	1030	7014	2095	7245	3422	20588
	07/08	5	5	9	199	729	3264	374	1826	412	1383	770	4667
	07/09	-	-	35	391	962	5324	736	5151	931	3426	2635	16828
	07/13	4	4	0	0	292	1547	62	486	242	965	91	669
	07/14	-	-	1	24	250	1322	35	225	247	938	44	309
	07/15	-	-	6	82	992	5656	810	5836	678	2576	274	1382
	07/20	-	-	0	0	0	0	0	0	96	422	6	50
	07/21	-	-	0	0	839	3626	0	0	971	4334	23	141
	07/22	-	-	0	0	0	0	0	0	55	250	2	20
	07/26	-	-	30	489	327	1590	5	15	473	1971	16	119
	08/02	-	-	0	0	11	59	0	0	2280	10773	189	1822
	08/03	-	-	0	0	13	64	0	0	2710	11566	334	3035
	08/04	-	-	0	0	25	140	6	33	3066	14301	174	1662
	08/05	4	4	0	0	41	233	91	798	6271	27164	1236	8915
	08/06	-	-	0	0	0	0	0	0	1493	6265	343	3265

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	08/16	5	5	0	0	0	0	10	83	4111	15902	6192	45536
	08/17	-	-	0	0	1	6	2	20	1073	4425	227	2180
	08/18	4	4	6	80	344	1550	170	1387	5079	21390	1607	13538
	TOTAL	35	60	132	1918	8054	40710	3497	24112	32683	136902	18256	129537
	AVG.WT.				14.53		5.05		6.90		4.19		7.10
25840	07/07	-	-	45	240	419	2148	449	2760	528	1622	1777	9498
	07/08	6	6	43	530	2035	10543	1060	7212	1788	5330	5066	34462
	07/09	-	-	27	359	805	4025	291	2042	801	2004	3363	23545
	07/14	4	4	4	30	941	5092	282	1990	524	1998	139	1059
	07/15	-	-	11	185	994	5604	735	5075	877	3426	278	2039
	07/22	-	-	0	0	209	878	30	119	475	1667	45	339
	07/28	-	-	6	86	221	1101	13	106	7196	17992	952	7617
	08/03	-	-	4	53	21	98	22	179	1854	4635	912	7300
	08/06	-	-	3	105	62	374	63	703	2622	8391	363	3632
	TOTAL	13	19	143	1588	5707	29863	2945	20186	16665	47065	12895	89491
	AVG.WT.				11.10		5.23		6.85		2.82		6.94
25851	07/14	-	-	0	0	111	508	0	0	293	1243	107	854
	07/20	-	-	1	25	103	580	21	145	906	3926	98	735
	07/21	4	4	0	0	239	1025	1	9	1750	7888	323	1821
	07/22	-	-	0	0	23	145	0	0	1076	4680	119	1010
	07/27	6	7	2	46	96	465	37	234	13927	58682	1426	11489
	07/28	-	-	0	0	17	91	47	336	2222	9917	310	2549
	08/03	-	-	16	262	98	548	0	0	7190	29949	960	9165
	08/05	-	-	0	0	31	194	2	12	2464	9717	881	8721
	08/06	-	-	1	5	64	361	1	10	6470	27096	1291	11015
	08/18	-	-	0	0	1	6	3	45	400	1805	2467	24681
	09/29	-	-	0	0	0	0	13	153	0	0	32	286
	TOTAL	15	28	20	338	783	3923	125	944	36698	154903	8014	72326
	AVG.WT.				16.90		5.01		7.55		4.22		9.02
25852	07/22	6	7	0	0	12	71	4	30	14810	65310	568	5089
	07/26	4	4	0	0	8	36	1420	6671	3960	20013	108	1044
	07/27	4	4	1	28	5	34	0	0	3204	13773	372	3250
	07/28	7	7	1	20	8	51	0	0	6257	28685	306	2703
	07/29	10	10	6	145	877	4238	39	315	16744	75271	1192	10629
	08/02	4	4	0	0	13	84	0	0	13995	59122	177	1449
	08/03	-	-	0	0	2	7	0	0	5124	22725	135	1155
	08/04	5	5	0	0	67	336	19	111	13284	56032	3149	21174
	08/05	5	6	11	255	11	83	14	103	16683	69082	1830	13189
	08/06	-	-	0	0	0	0	0	0	2430	10320	257	2294
	09/19	-	-	0	0	0	0	397	2380	0	0	0	0
	TOTAL	15	53	19	448	1003	4940	1893	9610	96491	420333	8094	61976
	AVG.WT.				23.58		4.93		5.08		4.36		7.66
25855	06/21	-	-	0	0	182	897	2	14	35	62	17	146
	07/06	-	-	3	55	1030	5250	0	0	650	2335	495	3290
	07/07	4	4	27	425	1380	6634	1	9	1197	4790	1382	9050
	07/08	-	-	10	120	100	490	6	45	97	380	39	325
	07/13	-	-	0	0	370	1857	96	619	326	1275	24	155
	07/15	-	-	0	0	117	527	24	148	110	352	32	230
	07/22	-	-	0	0	366	1918	77	679	1150	4863	48	450
	07/26	-	-	1	54	20	122	54	546	910	4144	165	1655
	08/05	-	-	9	137	142	770	51	430	4666	18951	462	4552
	08/18	-	-	0	0	3	18	1	20	70	310	457	3140
	TOTAL	9	13	50	791	3710	18483	312	2510	9211	37462	3121	22993
	AVG.WT.				15.82		4.98		8.04		4.07		7.37
25860	06/14	-	-	5	79	749	3800	0	0	327	1055	150	1158
	06/15	5	5	39	611	1455	7177	0	0	861	2275	384	2822
	06/22	5	5	14	143	1039	4777	0	0	83	216	336	2068
	06/23	-	-	4	47	555	2499	0	0	70	175	91	734
	07/06	5	5	9	161	1736	7743	24	172	1045	4361	713	4012
	07/07	7	7	32	449	1738	8970	51	392	1882	5987	2524	17069
	07/08	-	-	13	175	383	1967	0	0	307	1293	172	1237
	07/12	4	4	0	0	2178	14106	205	1424	1797	5724	386	2734
	07/13	5	5	0	0	3014	15547	591	4585	2439	10024	851	5853
	07/14	4	4	14	153	2705	14490	661	5048	2307	9797	812	6427
	07/15	5	5	1	25	2450	13061	298	2135	1492	5529	431	3054
	07/19	6	6	4	38	619	3408	556	4442	1251	5602	142	1085
	07/20	-	-	1	5	207	1126	222	1783	536	2391	85	662
	07/30	-	-	1	19	70	350	11	106	489	1957	70	632
	08/06	-	-	0	0	6	31	0	0	2765	12109	4615	43547
	08/16	-	-	0	0	1	6	1	10	10	45	900	6410
	08/17	-	-	0	0	0	0	0	0	345	1465	623	5135
	08/18	-	-	0	0	0	0	3	30	175	840	1250	9750
	TOTAL	27	63	137	1905	18905	99058	2623	20127	18181	70845	14535	114389
	AVG.WT.				13.91		5.24		7.67		3.90		7.87
25870	07/27	-	4	0	0	9	50	0	0	13245	64571	0	0
	07/28	6	6	0	0	12	52	0	0	21666	90728	46	426
	07/29	-	-	0	0	3	15	0	0	15160	60580	0	0

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	08/02	-	-	0	0	11	43	0	0	15100	68205	62	500
	08/05	-	-	0	0	2	10	1	10	5100	21515	29	241
	08/06	-	-	0	0	0	0	0	0	5925	24638	0	0
	TOTAL	7	20	0	0	37	170	1	10	76196	330237	137	1167
	AVG.WT.				0.00		4.59		10.00		4.33		8.52
25880	06/14	5	5	8	111	3344	16424	0	0	1947	5784	628	4012
	06/15	-	-	2	39	1886	9687	0	0	1331	3332	101	780
	06/16	-	-	23	169	1231	6265	0	0	757	1995	263	1838
	06/21	-	-	8	101	652	2760	0	0	443	1120	229	1863
	06/22	5	5	50	667	5006	23745	6	42	2333	6839	1910	13030
	07/07	-	-	35	374	1995	8765	80	775	1080	3465	929	8490
	07/08	-	-	6	145	505	2090	22	185	500	1370	935	8710
	07/13	5	5	21	280	3811	16844	408	3650	4028	11248	1193	9717
	07/14	5	5	33	296	1314	5756	581	4399	2574	7206	980	7252
	07/15	4	4	10	100	1117	4899	438	3195	2648	7820	207	1440
	07/19	-	-	3	54	258	1291	234	1831	430	1634	15	107
	07/20	-	-	6	29	206	1235	235	1808	337	1480	16	100
	07/29	-	-	0	0	26	112	0	0	800	3396	1	6
	08/03	-	-	0	0	1	5	0	0	567	2451	1	5
	TOTAL	21	41	205	2365	21352	99878	2004	15885	19775	59140	7408	57350
	AVG.WT.				11.54		4.68		7.93		2.99		7.74
25890	07/27	-	-	2	26	14	51	1	5	5400	23032	115	705
	08/02	-	-	0	0	4	16	0	0	6400	28605	55	485
	08/03	-	-	0	0	3	14	0	0	8401	34285	152	1215
	08/04	-	-	0	0	11	69	0	0	3910	15830	24	187
	08/05	-	-	0	0	0	0	0	0	2400	9455	1	10
	08/18	-	-	0	0	0	0	0	0	7600	31995	2	21
	TOTAL	8	11	2	26	32	150	1	5	34111	143202	349	2623
	AVG.WT.				13.00		4.69		5.00		4.20		7.52
25910	07/22	-	-	0	0	0	0	0	0	300	1474	1	6
	08/03	-	-	0	0	1	5	3	20	13061	36854	5	37
	08/04	-	-	0	0	1	5	0	0	2162	8639	7	39
	08/06	-	-	0	0	5	25	2	20	413	1777	15	114
	08/07	-	-	0	0	0	0	7	70	894	4049	107	893
	08/16	-	-	0	0	0	0	2	16	12422	47088	1	7
	08/17	-	-	0	0	0	0	0	0	3598	12593	0	0
	08/18	-	-	0	0	12	47	97	920	5943	14802	5	34
	09/19	-	-	0	0	0	0	388	2796	0	0	0	0
	09/20	-	-	0	0	0	0	150	1507	0	0	0	0
	TOTAL	9	15	0	0	19	82	649	5349	38793	127276	141	1130
	AVG.WT.				0.00		4.32		8.24		3.28		8.01
25921	06/23	-	-	8	86	500	2251	0	0	120	300	31	251
	07/07	-	-	9	119	230	1152	294	2356	834	2087	1981	13873
	07/08	4	4	25	320	391	1973	249	1746	1033	2638	971	7321
	07/22	-	-	0	0	12	58	0	0	294	736	12	99
	07/27	-	-	0	0	0	0	0	0	190	925	79	718
	08/05	-	-	0	0	0	0	1	5	5818	14586	822	7105
	08/17	-	-	0	0	0	0	13	100	103	259	2469	19336
	09/22	-	-	0	0	0	0	18	230	0	0	0	0
	TOTAL	10	13	42	525	1133	5434	575	4437	8392	21531	6365	48703
	AVG.WT.				12.50		4.80		7.72		2.57		7.65
25922	08/06	-	-	0	0	1	4	1	5	566	1980	495	3469
	08/17	-	-	0	0	2	10	14	86	390	1366	678	4071
	TOTAL	-	-	0	0	3	14	15	91	956	3346	1173	7540
	AVG.WT.				0.00		4.67		6.07		3.50		6.43
25924	08/05	6	6	3	48	14	90	2	14	18099	59546	508	4044
	08/06	-	-	0	0	0	0	0	0	1229	3935	4	45
	08/16	-	-	0	0	0	0	0	0	0	0	375	3004
	08/18	-	-	0	0	0	0	0	0	206	517	0	0
	TOTAL	7	9	3	48	14	90	2	14	19534	63998	887	7093
	AVG.WT.				16.00		6.43		7.00		3.28		8.00
25925	07/07	-	4	142	590	784	3942	873	5459	1565	5999	3184	18333
	07/08	10	11	101	617	1592	8149	1224	8604	3441	9898	6511	34329
	07/14	-	-	19	162	255	1250	179	1319	2900	7467	122	974
	07/20	-	-	0	0	37	188	16	134	179	448	17	139
	07/22	-	-	0	0	0	0	0	0	344	862	0	0
	07/29	-	-	1	3	4	15	7	60	9508	29394	0	0
	08/02	-	-	0	0	5	16	0	0	207	623	16	128
	08/03	-	-	0	0	1	4	0	0	924	2773	24	170
	08/06	-	-	0	0	30	151	18	143	1846	7389	63	437
	08/07	-	-	0	0	10	65	0	0	2418	8469	117	810
	TOTAL	19	27	263	1372	2718	13780	2317	15719	23332	73322	10054	55320
	AVG.WT.				5.22		5.07		6.78		3.14		5.50
25936	07/12	-	-	0	0	50	246	37	233	458	1544	17	129
	07/14	-	-	0	0	357	2147	314	1885	6230	21806	366	2198
	07/15	-	-	0	0	32	160	6	50	696	1740	17	138
	07/22	-	-	0	0	58	350	14	100	1934	6772	58	355

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	07/26	-	-	0	0	5	26	0	0	101	398	7	54
	07/27	-	-	0	0	46	214	42	310	1170	5036	71	533
	07/28	-	-	0	0	21	127	1	8	681	2726	0	0
	08/18	-	-	0	0	25	115	100	904	794	3043	44	300
	08/25	-	-	0	0	11	69	352	2475	261	905	361	2785
	08/27	-	-	0	0	1	5	239	1915	5	34	0	0
	09/02	-	-	0	0	1	5	723	5957	0	0	1	8
	09/10	4	4	0	0	1	5	685	5596	0	0	3	23
	09/11	-	-	0	0	3	11	408	3527	0	0	1	7
	TOTAL	13	20	0	0	611	3480	2921	22960	12330	44004	946	6530
	AVG.WT.				0.00		5.70		7.86		3.57		6.90
25937	06/16	-	-	0	0	48	191	0	0	21	59	13	89
	07/08	-	-	0	0	8	37	50	467	81	318	0	0
	07/22	-	-	0	0	74	359	13	98	835	3141	72	364
	07/29	-	-	0	0	4	19	18	124	400	1792	12	89
	08/05	-	-	0	0	0	0	0	0	4064	14223	945	7557
	08/18	-	-	4	32	46	257	103	940	1032	4123	48	374
	08/24	-	-	0	0	5	23	40	320	97	292	107	868
	08/25	-	-	0	0	10	65	450	3647	234	820	77	586
	TOTAL	10	11	4	32	195	951	674	5596	6764	24768	1274	9927
	AVG.WT.				8.00		4.88		8.30		3.66		7.79
25938	06/10	-	-	19	200	1050	4924	0	0	112	288	785	5298
	06/15	-	-	0	0	25	127	0	0	0	0	3	25
	06/24	-	-	0	0	85	338	0	0	27	68	3	16
	07/07	-	-	0	0	8	21	6	39	146	518	4	26
	07/13	-	-	1	48	676	3423	336	2221	12989	45857	429	2933
	07/14	5	5	3	28	669	3909	358	2471	11418	36238	485	3257
	07/15	5	5	0	0	99	555	49	342	1895	6697	87	578
	07/20	-	-	4	88	143	710	23	141	950	3641	126	813
	07/21	6	6	0	0	271	1255	50	347	5557	18013	410	3050
	07/22	7	7	1	15	303	1466	59	337	4236	15115	147	1124
	07/23	-	-	1	14	104	487	2	15	5139	18442	839	7138
	07/26	-	-	0	0	68	379	30	228	2879	9518	78	549
	07/27	-	-	0	0	150	760	46	329	1680	7080	111	757
	07/28	-	-	0	0	151	754	105	890	2688	11805	114	785
	07/29	-	-	0	0	87	474	67	470	3325	13297	206	1446
	07/30	-	-	0	0	20	123	31	191	2850	9978	49	298
	08/03	-	-	0	0	8	30	12	97	900	4311	30	265
	08/05	4	4	0	0	40	212	126	814	11979	44017	60	373
	08/06	-	-	0	0	13	57	26	164	642	2568	150	1201
	08/07	-	-	0	0	10	52	13	98	273	1068	26	185
	08/16	-	-	0	0	18	90	68	551	289	1159	7	65
	08/17	-	-	0	0	109	507	215	1791	1992	5471	53	419
	08/18	-	-	0	0	0	0	39	331	169	729	0	0
	08/24	-	-	0	0	1	8	199	1664	17	40	28	227
	08/25	-	-	0	0	4	13	557	5428	29	113	29	227
	08/26	-	-	12	136	25	163	385	3728	117	538	20	108
	08/31	-	-	0	0	0	0	348	3309	0	0	0	0
	09/01	-	-	0	0	3	16	492	4412	0	0	4	28
	09/04	-	-	0	0	3	22	98	686	10	37	0	0
	TOTAL	37	68	41	529	4143	20875	3740	31094	72308	256606	4283	31191
	AVG.WT.				12.90		5.04		8.31		3.55		7.28
25939	06/10	-	-	0	0	670	3038	0	0	95	239	578	3926
	06/15	4	4	0	0	116	522	0	0	70	199	22	141
	06/17	-	-	0	0	85	426	0	0	0	0	36	246
	06/22	-	-	4	38	489	2448	1	10	283	710	232	1398
	06/23	-	-	6	50	713	3335	6	42	121	350	67	375
	06/24	-	-	3	27	646	3367	2	11	239	705	129	917
	07/01	-	-	0	0	366	1738	4	36	170	627	290	1973
	07/02	-	-	3	26	214	1071	5	29	246	774	197	1361
	07/03	-	-	0	0	13	63	0	0	94	275	41	283
	07/04	-	-	0	0	15	72	0	0	107	311	52	354
	07/06	-	-	1	15	0	0	0	0	24	75	29	125
	07/08	5	5	6	68	456	2451	520	3584	3394	8806	2774	19097
	07/12	-	-	0	0	27	132	2	14	682	2733	14	115
	07/13	4	4	7	33	669	3626	355	2454	6828	26297	439	3538
	07/14	8	8	1	5	1135	6081	486	3412	15212	52015	844	5863
	07/15	18	18	6	14	1213	5599	423	3191	12981	45814	630	4673
	07/16	-	-	0	0	75	371	35	253	682	2798	66	482
	07/19	-	-	0	0	3205	12839	38	238	1667	6511	79	611
	07/20	10	10	0	0	303	1500	68	499	9958	37367	319	2407
	07/21	5	5	1	27	174	895	58	452	3257	12803	247	1706
	07/22	16	16	1	16	1277	7078	148	1156	22127	72733	732	5492
	07/23	-	-	0	0	55	283	0	0	989	1975	28	209
	07/26	6	6	0	0	153	703	54	364	5867	24778	148	1131
	07/27	8	8	8	93	330	1679	91	593	10372	44889	424	3307
	07/28	8	8	0	0	175	997	285	2155	5677	25444	235	1841

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	07/29	9	9	0	0	280	1483	295	2158	5652	25320	362	2613
	07/30	-	-	0	0	22	119	11	72	2070	8125	63	440
	08/03	-	-	0	0	28	133	31	218	1035	4598	11	149
	08/04	-	-	0	0	133	804	103	703	4747	20983	157	1267
	08/05	6	6	5	105	262	1546	150	1182	7740	35513	327	2711
	08/06	11	11	0	0	108	511	198	1350	5434	24250	197	1609
	08/07	-	-	0	0	16	98	23	140	3820	13370	53	374
	08/16	-	-	0	0	0	0	0	0	401	1604	0	0
	TOTAL	49	144	52	517	13423	65008	3392	24316	132041	502991	9822	70734
	AVG.WT.				9.94		4.84		7.17		3.81		7.20
25940	08/16	-	-	2	26	0	0	2	29	20	80	3419	23597
	TOTAL	-	-	2	26	0	0	2	29	20	80	3419	23597
	AVG.WT.				13.00		0.00		14.50		4.00		6.90
25941	07/06	-	-	0	0	829	4492	21	128	118	456	106	743
	07/08	-	-	2	12	375	2113	6	36	28	118	54	486
	07/09	-	-	46	647	3357	16859	0	0	94	262	194	1417
	07/15	-	-	10	130	2756	13785	0	0	484	1209	279	2240
	07/18	-	-	1	30	462	2241	0	0	54	168	1	7
	07/19	-	-	1	30	461	2240	0	0	54	168	1	7
	07/20	-	-	2	38	330	1988	79	640	289	868	123	867
	07/22	-	-	0	0	266	1330	0	0	92	230	14	113
	07/23	-	-	0	0	348	1707	0	0	104	261	26	209
	07/26	-	-	0	0	1635	6475	0	0	304	1568	201	1912
	07/27	-	-	4	65	422	1943	0	0	121	579	73	625
	07/28	-	4	9	155	586	2948	0	0	652	2853	650	4658
	07/29	-	-	3	60	76	399	0	0	136	611	218	1657
	TOTAL	10	26	78	1167	11903	58520	106	804	2530	9351	1940	14941
	AVG.WT.				14.96		4.92		7.58		3.70		7.70
25942	06/22	-	-	0	0	449	2157	0	0	178	519	149	1019
	07/06	-	-	0	0	148	893	60	391	140	565	157	1221
	07/07	-	4	67	918	851	4074	336	1984	438	1763	1577	9946
	07/08	5	5	4	78	560	2809	290	1833	877	2578	1516	9505
	07/09	-	-	1	11	475	2376	0	0	202	507	120	963
	07/13	-	-	0	0	31	132	0	0	138	485	42	294
	07/14	-	-	0	0	208	820	0	0	40	140	9	72
	07/15	-	-	0	0	3	14	0	0	120	405	41	289
	07/18	-	-	1	27	334	1726	0	0	82	356	28	140
	07/19	-	-	2	42	815	3947	0	0	123	434	22	183
	07/20	-	-	0	0	159	735	0	0	76	266	25	200
	07/21	-	-	4	119	369	2215	32	250	25	87	139	984
	08/03	-	-	1	35	1	5	0	0	65	294	2203	17877
	08/05	-	-	1	18	299	1494	345	2070	2551	11877	3796	30374
	08/06	-	-	0	0	1	4	0	0	213	533	302	2418
	08/16	-	-	0	0	0	0	0	0	0	0	2070	19989
	08/17	-	-	9	210	0	0	10	87	287	719	7521	60196
	08/18	4	4	13	233	125	566	123	904	5885	15476	9995	74687
	08/19	-	-	2	36	0	0	6	69	370	946	3868	30961
	09/18	-	-	0	0	0	0	674	4715	0	0	0	0
	TOTAL	25	38	105	1727	4828	23967	1876	12303	11810	37950	33580	261318
	AVG.WT.				16.45		4.96		6.56		3.21		7.78
26210	07/26	-	-	0	0	758	4948	22	202	264	796	12	99
	07/27	-	-	0	0	713	4403	244	2077	181	555	407	3273
	08/25	-	-	0	0	0	0	160	1283	0	0	19	155
	09/03	-	-	0	0	0	0	2854	22832	17	42	3	23
	09/08	-	-	0	0	1312	6563	2	23	0	0	0	0
	TOTAL	5	6	0	0	2783	15914	3282	26417	462	1393	441	3550
	AVG.WT.				0.00		5.72		8.05		3.02		8.05
26215	09/01	-	-	0	0	0	0	338	4050	0	0	0	0
	09/02	-	-	0	0	4	24	3022	28709	5	23	12	62
	TOTAL	-	-	0	0	4	24	3360	32759	5	23	12	62
	AVG.WT.				0.00		6.00		9.75		4.60		5.17
26225	07/20	-	-	1	9	72	400	13	110	410	1388	460	3493
	TOTAL	-	-	1	9	72	400	13	110	410	1388	460	3493
	AVG.WT.				9.00		5.56		8.46		3.39		7.59
26227	07/26	-	-	0	0	0	0	0	0	0	0	6	40
	TOTAL	-	-	0	0	0	0	0	0	0	0	6	40
	AVG.WT.				0.00		0.00		0.00		0.00		6.67
26230	07/15	-	-	0	0	33	197	0	0	72	286	20	162
	08/02	6	6	0	0	7	39	11	101	15197	60836	8	48
	08/03	-	-	0	0	17	77	11	96	7930	31708	10	44
	08/04	-	-	0	0	2	13	13	102	4300	17196	13	102
	TOTAL	12	13	0	0	59	326	35	299	27499	110026	51	356
	AVG.WT.				0.00		5.53		8.54		4.00		6.98
26235	07/28	-	-	10	226	868	5194	112	1081	4635	19065	335	3051
	TOTAL	-	-	10	226	868	5194	112	1081	4635	19065	335	3051
	AVG.WT.				22.60		5.98		9.65		4.11		9.11

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
26240	07/08	-	-	4	95	357	2088	38	252	511	1523	659	3986
	07/14	-	-	1	12	391	2131	45	322	102	353	93	644
	07/15	-	-	0	0	1258	6292	49	397	951	2379	191	1529
	TOTAL	4	4	5	107	2006	10511	132	971	1564	4255	943	6159
	AVG.WT.				21.40		5.24		7.36		2.72		6.53
26245	07/13	14	14	32	606	11518	66679	445	2998	4538	14070	1905	14104
	07/14	9	9	8	132	2154	9108	134	784	1024	3032	681	5074
	07/15	-	-	3	53	387	1964	0	0	1204	4906	230	1858
	07/27	9	9	13	225	11320	55820	1358	10264	4295	13094	2536	19146
	07/28	6	6	13	205	2593	13042	304	2470	9894	25227	1106	7886
	07/29	-	-	0	0	1703	7665	114	915	3240	8101	465	3723
	08/05	-	-	0	0	840	4217	113	822	365	1475	405	2808
	TOTAL	33	43	69	1221	30515	158495	2468	18253	24560	69905	7328	54599
	AVG.WT.				17.70		5.19		7.40		2.85		7.45
26250	07/08	-	-	0	0	425	2383	0	0	114	504	60	408
	07/13	-	-	1	13	166	831	8	68	41	205	24	190
	07/14	4	4	0	0	1322	7444	136	1111	832	3017	292	2429
	07/15	-	-	1	12	742	4471	26	180	376	1505	97	792
	07/26	-	-	1	20	191	936	95	710	277	782	154	1269
	07/28	-	-	0	0	251	1413	37	203	268	1130	42	430
	TOTAL	10	10	3	45	3097	17478	302	2272	1908	7143	669	5518
	AVG.WT.				15.00		5.64		7.52		3.74		8.25
26255	07/07	-	-	0	0	18	91	2	18	63	230	13	92
	07/08	-	-	0	0	90	432	3	25	90	213	12	85
	07/13	10	10	40	669	6491	40983	546	3477	2954	10454	1945	14453
	07/14	7	7	29	503	3907	21945	303	2273	2703	9398	1088	8320
	07/15	-	-	0	0	653	3267	86	672	417	1587	117	802
	07/19	7	7	1	10	2838	16466	118	967	1109	4101	357	2630
	07/20	-	-	2	21	17	98	3	24	0	0	0	0
	07/21	-	-	20	403	1173	6463	111	885	914	3023	842	6358
	07/22	-	-	0	0	493	2469	43	351	647	1619	247	1978
	07/28	-	-	0	0	9	35	0	0	27	75	32	220
	TOTAL	29	31	92	1606	15689	92249	1215	8692	8924	30700	4653	34938
	AVG.WT.				17.46		5.88		7.15		3.44		7.51
26260	07/06	-	-	36	350	2914	13255	15	121	615	1996	453	3356
	07/07	4	4	65	886	3419	18524	27	205	814	3145	495	3865
	07/08	8	10	54	654	4609	26081	45	331	1415	4913	991	7998
	07/09	-	-	2	53	851	5108	8	60	225	899	236	1886
	07/13	11	11	39	545	3614	21973	247	1540	1818	5552	1280	9674
	07/14	10	10	14	200	4194	23855	442	3401	2766	8923	973	7929
	07/15	-	-	6	67	1773	9301	126	873	1234	4498	338	2502
	07/19	8	8	12	172	1607	8904	169	1254	721	2151	601	4650
	07/21	-	-	0	0	126	754	11	90	0	0	0	0
	TOTAL	33	50	228	2927	23107	127755	1090	7875	9608	32077	5367	41860
	AVG.WT.				12.84		5.53		7.22		3.34		7.80
26265	07/06	6	6	2	42	1504	7992	0	0	486	1591	463	3375
	07/07	13	13	111	1347	5726	33360	47	278	3016	9492	3071	19144
	07/08	6	6	36	594	3446	18254	15	117	1438	4619	1220	9517
	07/09	4	4	15	190	3669	18350	21	179	1330	3961	694	4942
	07/10	-	-	1	15	412	2060	0	0	120	300	63	505
	07/19	-	-	1	23	79	419	9	65	290	1044	37	278
	08/02	-	-	0	0	2	10	0	0	5600	22320	200	1500
	TOTAL	21	32	166	2211	14838	80445	92	639	12280	43327	5748	39261
	AVG.WT.				13.32		5.42		6.95		3.53		6.83
26270	08/03	-	-	0	0	0	0	0	0	355	1426	565	3971
	TOTAL	-	-	0	0	0	0	0	0	355	1426	565	3971
	AVG.WT.				0.00		0.00		0.00		4.02		7.03
26275	06/24	22	22	20	356	26435	156095	5	42	2665	8947	2230	14480
	06/25	22	23	44	704	23852	139013	0	0	1945	6464	1589	9777
	06/26	29	30	19	280	29768	178768	0	0	2924	9146	2001	13961
	06/27	24	25	13	200	21013	123361	3	28	2582	7723	1486	7800
	06/28	4	4	17	237	4890	24713	2	16	509	1440	259	1896
	07/11	-	-	0	0	411	1881	6	39	213	731	68	418
	07/12	-	-	0	0	234	1215	25	155	189	560	44	350
	07/13	-	-	4	16	142	789	8	48	109	274	41	227
	07/15	-	-	0	0	750	4506	81	536	802	2632	124	966
	07/18	5	5	6	129	794	5087	44	277	870	3519	492	3679
	07/19	-	-	27	297	463	2970	18	110	525	1999	2191	11779
	07/20	4	4	23	242	770	4681	76	588	829	2842	492	3494
	07/21	5	5	13	185	1585	9506	45	274	3290	9873	974	5849
	07/22	-	-	5	43	401	2412	0	0	792	2530	364	2394
	07/23	5	6	22	442	648	3343	65	442	1903	7659	750	5369
	07/24	4	4	2	77	161	820	19	144	284	1187	120	914
	07/25	-	-	0	0	8	20	0	0	30	137	14	103
	09/01	-	-	0	0	952	4759	391	2736	141	495	51	355
	TOTAL	60	144	215	3208	113277	663939	788	5435	20602	68158	13290	83811
	AVG.WT.				14.92		5.86		6.90		3.31		6.31

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
26280	06/24	26	28	84	1133	31398	180145	0	0	3527	10095	2367	16471
	06/25	12	12	12	211	5334	30777	0	0	642	1925	608	4723
	06/26	21	23	28	391	17199	102206	0	0	2133	6480	2291	18083
	06/27	28	30	41	582	25455	143716	1	4	2604	7685	1356	10126
	06/28	8	8	26	348	7567	42800	0	0	1309	3710	649	3846
	07/11	15	15	8	145	4523	23911	32	228	2303	7759	1415	9469
	07/12	5	5	1	15	336	1674	7	45	262	845	156	1164
	07/13	9	9	1	13	881	4879	29	222	558	1769	165	1193
	07/14	9	9	19	431	3073	17460	327	2537	2816	9818	702	4879
	07/15	10	10	17	217	3392	18612	110	885	2219	7891	1049	7510
	07/16	-	-	0	0	0	0	0	0	510	2203	229	1513
	07/18	10	10	16	223	1124	5846	48	388	855	3429	390	2486
	07/19	-	-	8	50	587	3148	26	201	555	2235	255	1911
	07/20	4	4	7	96	713	3985	13	105	811	3431	328	2272
	07/21	-	-	0	0	1772	9999	50	294	2612	10467	740	5300
	07/22	7	7	5	92	1004	5792	44	332	2428	10108	809	6370
	07/23	16	16	3	63	1559	8371	75	506	3823	15229	1795	13596
	07/24	11	11	4	91	538	3067	67	494	1767	6595	1304	9840
	07/25	-	-	2	39	440	2095	15	102	768	3034	419	3056
	07/30	-	-	0	0	270	1506	17	223	511	3037	87	901
	08/25	-	-	0	0	706	3595	2051	14360	1491	4620	254	1785
	09/03	-	-	3	34	2831	15900	1505	13296	556	1832	329	2356
	09/04	-	-	0	0	589	3539	360	2885	0	0	30	237
	09/09	-	-	0	0	0	0	465	5065	0	0	89	775
	TOTAL	84	213	285	4174	111291	633023	5242	42172	35060	124197	17816	129862
	AVG.WT.				14.65		5.69		8.05		3.54		7.29
26285	06/25	-	-	9	189	801	5060	0	0	540	1654	143	1024
	07/28	-	-	11	124	41	248	0	0	3504	13786	3884	28565
	TOTAL	4	4	20	313	842	5308	0	0	4044	15440	4027	29589
	AVG.WT.				15.65		6.30		0.00		3.82		7.35
26290	06/25	-	-	12	216	2809	15244	0	0	262	815	710	5166
	06/26	-	-	3	43	3409	20394	0	0	385	1156	956	8598
	06/27	-	-	3	53	3202	19434	0	0	605	1867	523	3008
	06/28	-	-	3	43	1909	10579	0	0	779	1949	488	2938
	07/11	-	-	0	0	783	4163	0	0	392	1296	419	2693
	07/13	-	-	0	0	32	247	1	9	16	55	4	42
	07/14	-	-	0	0	233	1329	75	392	180	715	77	604
	07/15	-	-	1	16	224	1258	28	205	258	1009	40	281
	07/23	-	-	1	12	18	132	10	76	46	191	41	330
	07/28	-	-	1	18	94	562	0	0	257	771	1669	10021
	TOTAL	15	19	24	401	12713	73342	114	682	3180	9824	4927	33681
	AVG.WT.				16.71		5.77		5.98		3.09		6.84
26295	06/24	10	10	25	592	16553	86041	0	0	5548	15896	1576	11072
	06/25	18	19	70	1418	29166	155525	0	0	12536	38826	4324	31141
	06/26	15	16	28	513	12881	70415	0	0	5917	18188	2588	18233
	06/27	12	12	14	266	8491	50925	0	0	2145	7220	984	7128
	06/28	5	5	10	147	7900	40308	0	0	2351	6395	983	6297
	07/11	-	-	0	0	188	1066	3	25	90	277	113	694
	07/12	4	4	2	25	471	2894	3	25	271	1008	327	2485
	07/18	-	-	2	30	314	1928	5	20	346	1036	131	792
	07/19	-	-	2	34	1330	7802	14	106	1475	5001	618	3863
	07/20	-	-	12	80	956	4777	50	270	656	1923	585	2905
	07/21	-	-	1	10	1040	6245	18	111	1633	4898	560	3921
	07/22	-	-	0	0	558	3355	0	0	836	3350	257	2069
	07/23	-	-	0	0	183	1459	27	216	465	2003	175	1459
	07/24	-	-	0	0	113	680	0	0	198	790	101	800
	07/25	-	-	0	0	3	15	0	0	53	239	638	5972
	07/26	-	-	0	0	1	5	0	0	420	1685	2056	18114
	07/27	-	-	0	0	0	0	0	0	270	1083	4939	44466
	08/24	-	-	0	0	121	597	118	1163	1294	7479	2693	24315
	08/25	-	-	0	0	429	2283	819	7071	1334	6473	493	3885
	09/01	-	-	1	29	2087	10435	651	6510	436	1745	131	915
	09/02	-	-	0	0	1121	6688	699	6617	348	1091	38	294
	09/09	-	-	0	0	255	1020	150	1800	21	83	17	115
	TOTAL	38	91	167	3144	84161	454463	2557	23934	38643	126689	24327	190935
	AVG.WT.				18.83		5.40		9.36		3.28		7.85
PURSE SEINE TOTAL		286	7519	20460	280974	1875306	9218749	242912	2080902	6997705	26312130	616274	4613171
	AVG.WT.				13.73		4.92		8.57		3.76		7.49
BEACH SEINE													
25232	07/29	-	-	0	0	5	24	0	0	1589	5184	9	78
	08/02	-	-	0	0	2	11	0	0	916	3889	8	34
	TOTAL	-	-	0	0	7	35	0	0	2505	9073	17	112
	AVG.WT.				0.00		5.00		0.00		3.62		6.59

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
25234	06/19	-	-	0	0	188	602	0	0	0	0	0	0
	06/20	-	-	0	0	42	114	0	0	0	0	0	0
	TOTAL	-	-	0	0	230	716	0	0	0	0	0	0
	AVG.WT.				0.00		3.11		0.00		0.00		0.00
25235	07/08	-	-	0	0	29	149	0	0	3	13	0	0
	TOTAL	-	-	0	0	29	149	0	0	3	13	0	0
	AVG.WT.				0.00		5.14		0.00		4.33		0.00
25312	07/26	-	-	0	0	0	0	0	0	73	254	5	34
	08/02	-	-	0	0	5	29	0	0	107	428	6	48
	08/05	-	-	0	0	12	66	0	0	343	1372	2	15
	08/06	-	-	0	0	0	0	0	0	43	173	0	0
	08/16	-	-	0	0	0	0	0	0	219	877	2	13
	TOTAL	-	5	0	0	17	95	0	0	785	3104	15	110
	AVG.WT.				0.00		5.59		0.00		3.95		7.33
25314	07/12	-	-	1	18	11	58	0	0	123	565	64	529
	TOTAL	-	-	1	18	11	58	0	0	123	565	64	529
	AVG.WT.				18.00		5.27		0.00		4.59		8.27
25331	09/01	-	-	0	0	0	0	1	7	0	0	0	0
	09/02	-	-	0	0	0	0	8	82	0	0	0	0
	TOTAL	-	-	0	0	0	0	9	89	0	0	0	0
	AVG.WT.				0.00		0.00		9.89		0.00		0.00
25333	07/20	-	-	0	0	0	0	0	0	350	1057	0	0
	TOTAL	-	-	0	0	0	0	0	0	350	1057	0	0
	AVG.WT.				0.00		0.00		0.00		3.02		0.00
25420	06/30	-	-	6	170	3	15	0	0	2	8	0	0
	07/01	-	-	8	140	1	5	0	0	5	20	0	0
	07/03	-	-	6	120	2	10	0	0	8	33	1	7
	07/04	-	-	12	230	3	15	0	0	39	155	2	15
	07/05	-	-	3	72	0	0	0	0	7	20	2	15
	07/07	-	-	8	150	0	0	0	0	71	310	74	660
	07/08	-	-	0	0	0	0	0	0	33	130	0	0
	07/12	-	-	0	0	0	0	0	0	2580	11467	31	241
	07/13	-	-	0	0	0	0	0	0	592	2548	1	5
	07/14	-	-	3	100	1	4	0	0	32	140	4	40
	07/15	-	-	0	0	0	0	0	0	462	1895	0	0
	07/21	-	-	0	0	0	0	0	0	54	233	0	0
	07/22	-	-	0	0	0	0	0	0	86	380	0	0
	07/26	-	-	0	0	0	0	0	0	1639	7143	3	29
	07/27	-	-	0	0	0	0	0	0	26	109	3	27
	07/28	-	-	0	0	0	0	0	0	606	2602	0	0
	07/29	-	-	0	0	0	0	0	0	464	1995	0	0
	08/02	-	-	0	0	0	0	0	0	350	1567	1	6
	08/03	-	-	0	0	0	0	0	0	625	2775	3	21
	TOTAL	-	24	46	982	10	49	0	0	7681	33530	125	1066
	AVG.WT.				21.35		4.90		0.00		4.37		8.53
25440	08/04	-	-	2	61	200	1068	0	0	646	2940	1	5
	08/05	-	-	0	0	9	43	0	0	281	1205	3	19
	08/06	-	-	0	0	95	516	1	6	148	572	1	9
	08/16	-	-	0	0	623	3002	8	99	449	1996	0	0
	08/17	-	-	0	0	58	283	0	0	64	270	0	0
	08/19	-	-	0	0	51	242	0	0	19	82	0	0
	08/20	-	-	0	0	505	2417	0	0	60	245	0	0
	08/25	-	-	0	0	77	365	2	21	81	310	0	0
	TOTAL	-	10	2	61	1618	7936	11	126	1748	7620	5	33
	AVG.WT.				30.50		4.90		11.45		4.36		6.60
25450	08/10	-	-	0	0	360	1829	0	0	22	85	0	0
	08/11	-	-	0	0	465	2463	0	0	65	255	0	0
	08/12	-	-	0	0	870	4765	0	0	35	141	0	0
	08/13	-	-	0	0	95	485	0	0	7	30	0	0
	08/14	-	-	0	0	40	201	0	0	6	24	0	0
	08/18	-	-	0	0	601	2897	4	38	300	1179	0	0
	08/21	-	-	0	0	483	2295	0	0	67	277	0	0
	08/22	-	-	0	0	185	883	3	41	130	537	0	0
	08/23	-	-	0	0	311	1518	1	10	99	380	0	0
	08/24	-	-	0	0	45	215	1	14	16	53	0	0
	08/29	-	-	0	0	37	170	0	0	0	0	0	0
	TOTAL	-	12	0	0	3492	17721	9	103	747	2961	0	0
	AVG.WT.				0.00		5.07		11.44		3.96		0.00
25921	08/03	-	-	0	0	0	0	0	0	127	485	0	0
	08/04	-	-	0	0	1	3	0	0	583	2276	7	55
	08/17	-	-	0	0	0	0	61	444	20	79	0	0
	08/18	-	-	0	0	0	0	5	40	50	185	4	29
	TOTAL	-	4	0	0	1	3	66	484	780	3025	11	84
	AVG.WT.				0.00		3.00		7.33		3.88		7.64
BEACH SEINE TOTAL		5	66	49	1061	5415	26762	95	802	14722	60948	237	1934
	AVG.WT.				21.65		4.94		8.44		4.14		8.16

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
SET GILLNET													
25311	06/09	7	7	0	0	478	2213	0	0	1	3	13	87
	06/10	7	7	0	0	1502	7079	0	0	0	0	34	257
	06/14	7	7	3	87	909	4357	0	0	10	34	59	410
	06/15	-	-	0	0	207	985	0	0	0	0	6	36
	06/16	7	7	0	0	755	3638	0	0	21	76	64	395
	06/17	8	10	0	0	741	3671	0	0	5	18	112	876
	06/18	7	7	2	33	737	3638	0	0	11	41	130	975
	06/19	6	6	3	20	318	1576	1	6	6	20	67	471
	06/20	9	9	2	15	797	3902	0	0	14	48	131	999
	06/21	6	7	0	0	575	2860	0	0	12	39	57	405
	06/22	8	9	0	0	985	5139	0	0	21	74	63	431
	06/23	9	9	1	31	483	2507	0	0	13	57	40	287
	06/24	8	8	0	0	418	2114	0	0	14	54	26	188
	06/25	6	6	1	10	419	2134	0	0	20	66	70	466
	06/26	6	6	1	56	561	2718	0	0	46	171	106	725
	06/27	7	7	0	0	761	3786	1	7	72	267	235	1643
	06/28	7	8	1	17	804	4000	2	16	73	302	201	1352
	06/29	7	7	1	7	480	2378	0	0	27	105	81	568
	06/30	8	8	2	38	664	3378	0	0	71	297	143	1023
	07/01	9	9	2	42	434	2112	1	8	101	399	147	944
	07/02	8	8	3	62	742	3800	2	12	280	1144	275	1899
	07/03	9	10	5	84	424	2149	3	19	285	1211	156	1099
	07/04	6	6	0	0	182	928	0	0	130	532	65	472
	07/05	8	10	5	80	808	4140	14	95	732	2944	398	2674
	07/06	7	7	2	33	481	2249	7	50	657	2685	152	1082
	07/07	8	8	5	78	537	2596	21	162	987	3787	239	1730
	07/08	8	9	4	64	1135	5583	20	152	2298	8884	493	3186
	07/12	6	6	0	0	429	2178	38	342	1143	4497	163	1015
	07/13	8	13	5	84	1005	5176	69	622	2076	8356	281	2085
	07/14	8	11	4	81	881	4452	47	366	2003	7855	297	2056
	07/15	8	8	2	45	761	4097	38	299	2366	9348	264	2017
	07/19	7	7	0	0	300	1506	9	69	2515	10147	156	1112
	07/20	8	12	2	46	1290	6731	26	225	8817	35749	558	4153
	07/21	8	9	2	93	633	3344	73	514	4655	18740	467	3407
	07/22	9	9	1	15	590	3064	36	286	6379	24703	275	2050
	07/26	8	8	1	9	950	5025	54	421	5823	23965	209	1532
	07/27	8	14	3	51	1589	8220	86	643	10576	42540	312	2315
	07/28	8	15	0	0	1591	8226	119	1030	12549	50319	306	2494
	07/29	7	8	1	12	1547	8369	49	425	8380	32949	296	2263
	08/01	-	-	0	0	276	1453	13	111	565	2439	26	166
	08/02	8	8	1	25	2297	12745	68	602	6569	26452	192	1383
	08/03	9	13	1	7	1843	10025	159	1346	7355	30404	262	1873
	08/04	9	9	2	19	1176	6300	262	2102	5204	21700	233	1580
	08/05	10	12	1	13	2010	10784	171	1504	5227	21384	149	1136
	08/06	8	9	0	0	2043	10835	118	1005	4023	16939	101	714
	08/07	-	-	0	0	217	1089	14	127	419	1678	2	15
	08/16	9	10	1	15	1583	8287	275	2341	3299	13332	93	659
	08/17	9	10	1	7	2075	10778	324	2999	3593	14707	109	797
	08/18	8	8	1	11	937	4949	195	1894	1222	5017	64	410
	08/23	8	8	0	0	1829	9539	326	3157	3019	12646	215	1510
	08/24	9	10	1	20	2468	12944	287	3025	2834	11873	141	916
	08/25	8	8	0	0	1789	9625	208	1998	1407	5728	92	555
	08/26	8	9	0	0	1407	7221	164	1524	966	3989	63	427
	08/27	9	9	0	0	2822	15033	293	2518	1085	4327	93	659
	08/31	9	9	0	0	622	3367	181	1788	274	1083	40	281
	09/01	9	10	0	0	547	2852	146	1382	174	702	5	32
	09/02	7	7	0	0	828	4403	122	1282	145	596	9	58
	09/19	-	-	0	0	108	557	49	499	0	0	1	6
	09/21	-	-	0	0	50	248	256	1278	0	0	0	0
	09/23	-	-	0	0	110	538	17	202	0	0	0	0
	TOTAL	19	480	73	1310	55940	289590	4364	38453	120569	487422	9037	64356
	AVG.WT.				17.95		5.18		8.81		4.04		7.12
25312	07/19	-	-	0	0	28	157	0	0	294	1442	13	139
	TOTAL	-	-	0	0	28	157	0	0	294	1442	13	139
	AVG.WT.				0.00		5.61		0.00		4.90		10.69
25313	06/09	7	7	0	0	341	1748	0	0	0	0	4	27
	06/10	5	5	6	118	841	4107	0	0	2	6	20	167
	06/14	7	7	1	27	509	2560	0	0	11	41	21	162
	06/15	7	7	10	153	1177	5779	0	0	14	50	68	488
	06/16	7	8	6	100	1438	6781	0	0	29	109	99	740
	06/17	6	6	0	0	579	2826	0	0	14	47	78	613
	06/18	7	7	2	63	385	2080	0	0	15	52	66	512
	06/19	6	6	0	0	352	1805	0	0	10	36	31	246
	06/20	4	4	3	57	98	496	0	0	2	7	27	178
	06/21	7	7	5	94	319	1578	0	0	9	33	48	302
	06/22	7	7	1	40	364	1864	0	0	10	36	62	446

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	06/23	5	5	0	0	258	1309	1	8	15	62	25	169
	06/24	5	5	0	0	170	861	0	0	4	14	19	126
	06/25	5	5	0	0	171	858	0	0	12	42	6	42
	06/26	6	6	0	0	237	1207	0	0	11	40	37	256
	06/27	8	8	0	0	498	2516	0	0	28	95	45	345
	06/28	6	6	0	0	318	1670	0	0	32	125	35	261
	06/29	6	6	0	0	234	1180	0	0	14	55	27	188
	06/30	7	7	1	10	268	1431	0	0	58	235	36	222
	07/01	5	5	1	30	197	1006	1	9	79	322	37	249
	07/02	6	6	2	34	288	1528	0	0	193	763	72	485
	07/03	6	6	0	0	332	1725	1	6	275	1196	125	988
	07/04	5	5	0	0	218	1064	3	24	83	446	25	154
	07/05	6	6	0	0	307	1560	2	16	319	1414	196	1307
	07/06	8	10	4	72	349	1739	5	38	687	2787	175	1214
	07/07	4	4	1	25	128	666	1	6	227	923	75	592
	07/08	7	8	4	45	422	2142	5	37	805	3252	247	1727
	07/12	7	8	0	0	526	2800	8	55	1100	4400	202	1464
	07/13	7	11	4	64	1749	9093	36	298	4146	16822	651	4556
	07/14	7	9	1	23	820	4295	31	214	2788	11324	647	4620
	07/15	6	6	1	29	357	1855	3	20	1507	6018	293	2134
	07/19	5	5	2	29	144	741	2	17	803	3309	226	1628
	07/20	6	6	0	0	541	2798	2	16	3137	12636	473	3322
	07/21	6	6	0	0	264	1372	7	46	2540	10260	472	3406
	07/22	9	9	0	0	326	1623	2	12	4755	19469	427	3208
	07/26	4	5	1	28	648	3250	12	108	3979	16028	110	790
	07/27	7	10	0	0	1045	5320	23	179	6518	26187	415	2976
	07/28	6	9	0	0	865	4384	29	241	6484	26266	359	2658
	07/29	9	10	1	15	1362	6793	27	217	7189	28692	433	3187
	08/02	6	6	0	0	779	4048	28	243	3187	13068	133	976
	08/03	6	9	0	0	805	4063	56	461	4217	17405	196	1427
	08/04	6	6	0	0	317	1668	60	501	2180	8929	121	903
	08/05	6	6	0	0	464	2452	27	230	2089	8708	167	1303
	08/06	6	6	0	0	674	3558	40	359	1926	8140	83	631
	08/07	-	-	0	0	41	210	1	9	103	415	18	126
	08/16	5	5	0	0	441	2224	77	636	2496	10049	145	1004
	08/17	5	9	0	0	988	4997	198	1616	4279	17221	164	1224
	08/18	5	7	0	0	366	1857	114	941	2633	10582	120	862
	08/23	-	-	0	0	156	814	50	453	463	2068	24	169
	08/24	-	-	0	0	254	1310	70	607	423	1697	36	242
	08/25	-	-	0	0	185	964	33	300	913	3670	54	366
	08/26	-	-	0	0	85	427	7	71	653	2720	20	142
	08/27	-	-	0	0	833	4136	51	455	366	1468	22	159
	09/01	-	-	0	0	169	878	104	954	130	501	12	84
	09/02	-	-	0	0	222	1209	68	642	185	708	43	354
	TOTAL	17	330	57	1056	26224	133225	1185	10045	74147	300948	7772	56127
	AVG.WT.				18.53		5.08		8.48		4.06		7.22
25314	06/09	6	6	3	27	312	1607	0	0	0	0	15	114
	06/10	7	7	29	443	832	4045	0	0	3	8	106	746
	06/14	6	6	22	240	2045	10265	0	0	104	431	346	2333
	06/15	8	8	12	100	1220	6023	0	0	49	192	149	984
	06/16	7	9	11	170	1531	7517	2	14	98	368	217	1414
	06/17	8	8	9	87	655	3356	0	0	56	200	254	1780
	06/18	7	8	10	133	804	3991	0	0	77	297	258	1745
	06/19	8	8	5	59	942	4795	1	7	63	244	295	1940
	06/20	7	11	10	149	855	4526	1	8	115	472	273	1956
	06/21	6	7	6	96	506	2754	0	0	32	131	133	945
	06/22	5	8	7	180	1072	5376	1	8	73	307	123	826
	06/23	6	6	5	102	474	2592	0	0	63	253	102	671
	06/24	6	8	9	100	962	4959	1	7	60	252	160	1090
	06/25	6	6	11	176	722	3883	1	7	59	224	84	541
	06/26	7	9	2	30	1295	6728	5	36	128	537	194	1248
	06/27	5	5	6	75	375	2021	3	22	32	138	45	286
	06/28	6	9	3	33	893	4663	1	9	174	704	172	1188
	06/29	8	8	4	66	546	2909	2	15	169	671	148	1107
	06/30	6	8	5	91	531	2727	4	29	203	794	161	1165
	07/01	8	8	0	0	761	4052	5	44	260	1097	208	1444
	07/02	7	9	6	120	1123	6010	6	44	681	2791	354	2431
	07/03	7	7	4	98	851	4399	13	102	821	3309	244	1755
	07/04	7	8	3	72	747	3863	11	83	882	3597	280	2023
	07/05	7	8	1	20	905	5047	11	87	1355	5775	412	2969
	07/06	8	8	0	0	1177	6242	14	118	2611	10849	398	2814
	07/07	10	10	2	48	833	4284	19	143	1688	7097	311	2132
	07/08	8	8	0	0	860	4598	14	101	2020	8435	388	2780
	07/12	7	7	1	16	150	844	7	49	436	1839	66	502
	07/13	8	8	4	65	852	4520	71	536	3437	14056	713	4674
	07/14	8	8	6	72	694	3691	92	740	2605	10668	569	3850
	07/15	9	9	6	74	683	3653	30	223	3243	13092	459	3012

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	07/19	9	9	2	54	193	1003	5	44	1137	4531	156	1124
	07/20	8	8	5	87	693	3805	37	293	3968	15702	447	3231
	07/21	8	8	1	29	464	2420	16	139	2335	9340	249	1900
	07/22	8	8	3	51	918	4890	27	207	8210	33159	559	4092
	07/26	8	8	1	15	453	2521	27	206	3416	13742	173	1322
	07/27	7	7	1	26	777	4252	42	338	6827	27058	399	3035
	07/28	7	7	4	104	632	3577	74	639	5956	24787	298	2391
	07/29	7	7	0	0	1077	5809	97	802	9604	41129	559	4253
	08/02	8	8	0	0	1498	7986	114	934	5891	25564	158	1216
	08/03	7	14	1	39	2200	11956	243	1995	11482	49619	351	2775
	08/04	7	7	0	0	822	4582	96	831	4194	18094	142	1139
	08/05	8	9	2	64	1021	5557	105	878	4675	19838	191	1473
	08/06	7	7	1	15	2221	12523	241	2153	7552	33346	331	2625
	08/16	6	6	0	0	504	2870	179	1857	2451	10586	121	949
	08/17	6	6	0	0	773	4389	246	2527	3466	15415	169	1299
	08/18	6	7	0	0	539	3049	223	2359	3333	14731	166	1364
	08/23	-	-	0	0	134	575	50	481	1107	3666	31	217
	08/24	8	9	1	22	638	3188	467	2939	5718	20413	253	1767
	08/25	9	9	1	14	253	1545	343	2833	3453	14217	176	1437
	08/26	9	9	1	26	194	1134	212	1746	1658	6764	67	541
	08/27	8	8	0	0	769	4430	282	2344	1950	7520	124	877
	08/28	-	-	0	0	175	1011	74	592	1418	5397	85	655
	08/31	7	7	0	0	188	1180	219	1908	331	1371	30	215
	09/01	6	6	0	0	273	1480	340	3478	415	1729	52	347
	09/02	6	7	0	0	475	2462	303	3090	343	1369	52	342
	TOTAL	19	430	226	3488	44092	234134	4377	38045	122487	507915	12976	93051
	AVG.WT.				15.43		5.31		8.69		4.15		7.17
25331	06/09	9	9	0	0	225	1111	0	0	1	4	6	33
	06/10	14	14	12	174	977	4746	0	0	7	26	71	450
	06/14	11	11	18	196	2630	13199	1	7	23	84	376	2561
	06/15	-	-	3	58	201	947	0	0	4	16	20	143
	06/16	11	11	10	143	1218	6011	1	6	29	104	245	1662
	06/17	11	12	3	54	1473	7163	0	0	39	145	600	3894
	06/18	13	22	7	106	1615	7952	0	0	34	128	619	3971
	06/19	11	11	4	81	1365	6760	2	20	41	151	400	2580
	06/20	11	16	16	290	916	4709	1	7	31	119	276	1886
	06/21	10	10	14	206	425	2090	2	12	10	40	95	645
	06/22	10	16	9	175	1538	7842	2	15	28	110	265	1774
	06/23	10	10	5	123	1146	5561	0	0	57	223	137	853
	06/24	11	16	8	169	996	5039	0	0	59	248	134	868
	06/25	7	7	4	35	1074	5249	3	22	97	407	236	1459
	06/26	10	15	4	71	1958	9920	3	22	151	608	286	1865
	06/27	10	10	1	13	996	5080	3	22	86	345	225	1417
	06/28	10	15	10	132	1325	6829	1	8	136	547	298	1992
	06/29	10	10	13	191	1159	5996	4	27	121	494	200	1323
	06/30	10	14	9	120	1337	7123	7	63	234	937	341	2493
	07/01	9	9	9	162	690	3671	3	23	228	943	222	1530
	07/02	8	13	1	9	1111	5873	4	29	426	1625	308	2213
	07/03	10	10	7	172	1566	7898	18	144	1111	4545	402	2893
	07/04	10	15	6	127	1189	6258	10	81	715	2977	284	1967
	07/05	10	10	9	136	1612	8112	19	138	1507	5882	608	4190
	07/06	10	10	2	25	1463	7558	32	263	2597	10503	740	4842
	07/07	10	10	9	116	677	3597	15	133	1745	7007	313	1997
	07/08	8	8	3	42	916	4878	41	321	2986	11900	355	2351
	07/12	6	6	3	55	301	1702	28	217	1236	4987	91	652
	07/13	8	8	17	230	1201	6966	118	1005	6933	27697	445	3114
	07/14	10	10	31	479	873	5016	84	699	4535	18153	285	2107
	07/15	15	15	30	411	1119	6175	197	1572	3829	14999	400	2804
	07/19	8	8	2	33	129	682	6	47	649	2553	69	487
	07/20	10	10	19	322	1050	5496	85	674	3599	14601	384	2774
	07/21	10	10	5	74	570	2963	57	492	2084	8361	244	1773
	07/22	10	10	8	182	1155	6145	85	696	4471	18048	389	2843
	07/26	9	9	5	82	733	4059	59	496	4236	17031	278	1964
	07/27	10	13	10	162	2752	14630	206	1829	13214	53461	776	5550
	07/28	10	13	1	4	2779	14796	214	1850	14126	56934	811	5664
	07/29	10	17	7	137	2713	14282	265	2302	13585	55392	920	6527
	08/02	13	16	1	39	1883	10572	236	2010	6782	28084	244	1763
	08/03	14	21	3	49	2308	13022	465	4043	13124	53337	424	2944
	08/04	12	13	8	217	1123	5923	302	2610	7587	31368	318	2255
	08/05	11	11	12	241	1088	5835	345	3030	7258	29671	271	1930
	08/06	10	14	3	74	2767	14368	432	3731	8859	36286	347	2486
	08/16	10	10	1	43	703	3662	318	2581	3237	13212	117	800
	08/17	11	13	2	29	1828	9408	836	7433	8611	34549	338	2282
	08/18	14	20	1	29	1289	6785	639	5834	8389	32110	354	2412
	08/23	9	9	0	0	1037	5534	264	2488	1891	7695	86	564
	08/24	9	9	0	0	2072	10497	739	6829	4242	17076	172	1183
	08/25	9	10	1	13	877	4551	761	7110	2728	11127	141	969

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	----CHINOOK--- #	LBS	-----SOCKEYE--- #	LBS	----COHO---- #	LBS	----PINK----- #	LBS	-----CHUM----- #	LBS
	08/26	8	8	1	22	388	2007	283	2666	829	3328	45	312
	08/27	8	9	0	0	2995	15127	570	5199	1569	6496	111	733
	08/28	-	-	0	0	25	125	7	77	59	218	9	54
	08/31	10	10	0	0	180	948	171	1695	112	472	18	129
	09/01	9	9	0	0	431	2264	381	3831	272	1083	38	258
	09/02	10	11	1	32	751	3943	584	5915	362	1476	62	412
	TOTAL	23	639	368	6085	68918	358655	8909	80324	160911	649923	16249	111597
	AVG.WT.				16.54		5.20		9.02		4.04		6.87
25332	07/29	-	-	0	0	235	1293	1	9	631	2422	4	25
	TOTAL	-	-	0	0	235	1293	1	9	631	2422	4	25
	AVG.WT.				0.00		5.50		9.00		3.84		6.25
25335	06/09	-	-	0	0	23	104	0	0	2	7	2	13
	06/14	8	8	0	0	190	919	0	0	4	14	21	145
	06/15	9	9	2	20	349	1674	0	0	33	124	48	313
	06/16	8	8	0	0	182	877	0	0	12	50	12	85
	06/17	6	6	1	7	324	1491	1	6	37	137	69	434
	06/18	8	8	0	0	316	1536	0	0	55	210	109	716
	06/19	7	7	2	29	213	1080	0	0	28	111	100	685
	06/20	8	8	2	101	246	1213	1	6	18	75	45	328
	06/21	7	7	2	88	241	1277	1	7	17	71	34	264
	06/22	8	8	3	34	409	2094	0	0	30	124	57	411
	06/23	8	15	2	11	670	3464	1	5	72	322	49	343
	06/24	8	8	1	13	867	4529	1	7	77	301	53	368
	06/25	5	8	0	0	322	1629	0	0	53	207	15	94
	06/26	7	7	1	9	449	2268	0	0	61	234	10	68
	06/27	7	7	2	50	482	2416	1	4	90	302	35	250
	06/28	9	9	1	36	540	2794	2	14	118	456	26	156
	06/29	10	10	7	160	1172	5989	8	50	276	1086	107	694
	06/30	9	10	4	107	1227	6358	8	59	253	950	97	664
	07/01	8	14	1	15	1096	5687	8	58	409	1551	126	820
	07/02	8	8	0	0	248	1294	0	0	94	373	10	73
	07/03	9	15	1	48	1727	8599	32	197	1891	7285	236	1535
	07/04	9	10	1	14	1051	5530	44	298	1639	6235	142	910
	07/05	11	17	1	8	973	5153	40	298	2180	8425	179	1216
	07/06	10	11	3	148	1340	6925	114	750	3950	15025	269	1740
	07/07	9	17	0	0	1034	5297	142	942	3534	13466	233	1611
	07/08	9	9	2	80	1076	5605	107	719	3117	11888	215	1468
	07/12	7	7	2	34	589	3310	95	639	1549	5824	67	486
	07/13	11	11	1	27	1471	8044	106	710	3635	14239	151	1032
	07/14	11	11	1	30	1366	7566	121	842	4526	17576	256	1841
	07/15	10	12	3	89	655	3499	52	367	2813	10488	205	1429
	07/19	10	10	4	109	72	387	21	176	841	3202	34	230
	07/20	10	10	4	89	222	1173	32	228	2049	8134	98	649
	07/21	8	12	1	27	178	777	18	132	1247	4855	63	419
	07/22	9	9	1	22	122	664	7	55	686	2719	34	225
	07/26	9	9	0	0	58	323	10	70	924	3661	39	266
	07/27	10	10	0	0	422	2240	46	351	3420	13635	191	1277
	07/28	10	20	3	43	503	2727	61	467	4854	19371	240	1599
	07/29	10	10	1	6	983	5264	73	572	7426	29513	283	2057
	08/02	8	8	0	0	734	4094	95	645	3436	13897	122	792
	08/03	10	10	1	25	1785	9791	218	1720	9798	40354	414	2775
	08/04	10	18	1	59	1007	5397	124	968	5557	22721	272	1896
	08/05	10	10	1	15	625	3278	56	456	3144	12928	139	989
	08/06	10	11	1	30	1324	7279	149	1245	4191	17310	186	1283
	08/16	7	7	0	0	475	2510	174	1478	3816	15230	105	656
	08/17	7	7	0	0	751	3791	287	2382	5920	23621	196	1250
	08/18	4	4	0	0	244	1221	91	700	1182	4851	105	719
	08/23	4	4	0	0	204	1090	55	516	658	2672	37	234
	08/24	5	5	1	22	426	2071	211	2050	2038	8239	73	475
	08/25	5	6	1	18	234	1210	262	2382	1487	6096	87	579
	08/26	5	5	0	0	132	725	162	1549	503	2035	35	229
	08/27	-	-	0	0	876	4527	80	758	303	1255	9	71
	08/31	-	-	0	0	20	95	40	418	30	116	4	24
	09/01	-	-	0	0	93	468	33	297	45	179	6	31
	09/02	4	4	0	0	264	1360	62	665	98	387	9	57
	TOTAL	12	484	66	1623	32602	170683	3252	26258	94226	374137	5759	38974
	AVG.WT.				24.59		5.24		8.07		3.97		6.77
25410	06/09	8	9	12	272	4021	18430	0	0	1	4	145	977
	06/10	9	13	12	223	3202	14363	0	0	2	8	253	1657
	06/14	8	8	15	257	2773	12955	0	0	0	0	312	1943
	06/15	9	11	19	356	3980	18082	0	0	26	83	681	4449
	06/16	9	11	5	73	2714	11981	0	0	22	80	348	2279
	06/17	9	10	4	71	1156	5889	0	0	4	15	406	2515
	06/18	8	11	7	136	1102	5186	1	8	4	15	344	2111
	06/19	8	10	8	151	1363	6735	0	0	11	43	206	1342
	06/20	9	10	9	172	1525	7807	0	0	13	49	127	930
	06/21	7	11	15	302	935	4711	0	0	19	70	105	743

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	06/22	9	12	13	262	3816	19318	1	6	69	281	238	1679
	06/23	8	11	13	235	2861	14599	1	5	85	351	324	2136
	06/24	7	10	6	90	3014	14606	3	21	60	251	417	2616
	06/25	8	13	9	110	7244	35144	0	0	191	754	732	4569
	06/26	7	11	6	103	2646	12505	1	6	104	407	430	2534
	06/27	8	11	12	186	2503	12378	3	24	114	530	504	3227
	06/28	7	8	15	208	1649	8095	1	6	105	449	351	2331
	06/29	7	11	10	128	1940	9696	0	0	134	585	185	1312
	06/30	8	9	5	83	1910	9510	3	23	177	737	238	1679
	07/01	7	9	4	103	1524	7601	0	0	178	750	207	1442
	07/02	7	9	14	189	3365	16659	6	43	392	1556	414	2623
	07/03	8	11	14	166	2304	11358	5	35	400	1630	244	1558
	07/04	7	10	26	305	1777	8690	7	54	520	2155	394	2398
	07/05	7	10	5	103	3424	17195	16	116	1938	7973	749	4353
	07/06	7	10	19	315	1708	8707	10	77	1323	5463	468	2891
	07/07	7	9	15	195	1316	6793	22	166	1546	6281	341	2064
	07/08	7	10	16	218	1505	7899	21	175	1689	6997	276	1748
	07/12	6	7	22	228	1232	6465	79	640	2930	12117	308	2019
	07/13	6	7	11	174	1525	8072	137	1026	3479	14462	617	4471
	07/14	7	10	5	130	688	3466	54	426	3171	13255	413	2966
	07/15	8	12	4	79	644	3283	14	112	1692	6856	154	1144
	07/19	7	7	6	50	1834	9323	54	424	3995	16709	513	3188
	07/20	7	10	4	115	1978	10466	46	373	5528	23119	339	2197
	07/21	7	11	2	47	1743	9988	68	548	7134	29110	324	2214
	07/22	7	8	8	129	2596	14395	90	738	7038	29551	389	2614
	07/26	7	8	5	91	1306	7631	64	497	4101	17166	90	566
	07/27	7	10	0	0	1337	7050	107	898	3018	12728	88	545
	07/28	7	9	1	23	1030	5317	109	956	4460	18958	65	444
	07/29	7	9	0	0	1194	6343	98	865	6075	25751	128	899
	08/02	7	7	0	0	2593	14758	84	711	9054	38678	90	625
	08/03	8	16	1	26	2529	13562	84	729	8301	36951	117	771
	08/04	7	9	5	125	1408	7457	87	758	4364	18626	45	295
	08/05	7	8	0	0	1456	7646	79	679	3955	17273	25	176
	08/06	9	10	0	0	1521	8101	88	772	3463	14608	38	248
	08/16	8	9	0	0	2172	11527	170	1483	4822	20093	60	407
	08/17	8	14	0	0	3422	18117	223	1729	4064	17228	75	534
	08/18	9	14	0	0	6308	32851	232	2132	4061	17074	95	583
	08/23	8	9	1	15	3817	19724	105	1056	1995	8584	51	337
	08/24	10	11	2	34	3647	18720	161	1515	2292	9492	106	639
	08/25	11	14	1	55	4969	24702	199	2045	2751	11562	145	1004
	08/26	9	10	2	46	3796	19338	250	2427	1822	7147	116	714
	08/27	10	10	0	0	5870	30471	141	1387	1516	5934	100	662
	08/31	7	8	1	15	1361	7223	126	1299	438	1793	24	151
	09/01	10	15	1	14	1397	7404	147	1456	358	1441	25	174
	09/02	7	7	0	0	2244	11708	185	1820	188	770	44	303
	09/18	5	5	2	37	287	1184	22	225	1	4	1	5
	09/19	-	-	3	56	971	4897	23	228	0	0	7	50
	09/20	-	4	0	0	763	3740	23	231	0	0	0	0
	09/21	-	-	2	46	677	3425	30	280	0	0	0	0
	09/23	6	7	12	199	2164	10720	58	572	0	0	11	57
	09/24	6	7	8	140	322	1552	35	393	0	0	0	0
	09/25	6	6	3	56	473	2254	12	109	0	0	2	15
	09/26	-	-	0	0	190	998	0	0	0	0	0	0
	10/12	-	-	0	0	53	318	0	0	0	0	0	0
	TOTAL	24	593	420	6942	138794	701088	3585	32304	115193	484557	14044	91123
	AVG.WT.				16.53		5.05		9.01		4.21		6.49
25420	06/09	7	7	6	112	832	4111	0	0	2	7	57	414
	06/10	6	6	2	34	461	2272	0	0	1	4	32	224
	06/14	9	9	3	77	813	4018	1	7	2	8	182	1225
	06/15	9	10	9	147	1017	4961	1	8	5	20	238	1670
	06/16	10	10	2	26	1547	7406	0	0	13	52	372	2574
	06/17	10	10	1	8	900	4398	0	0	21	83	244	1676
	06/18	9	10	1	9	425	2244	0	0	10	41	150	1050
	06/19	10	10	2	49	184	927	0	0	4	16	99	686
	06/20	10	10	4	53	177	977	0	0	5	20	204	1567
	06/21	9	10	1	5	157	821	0	0	11	44	55	421
	06/22	9	9	3	37	340	1811	0	0	13	52	126	1028
	06/23	10	10	4	36	907	4532	2	17	51	214	222	1687
	06/24	10	10	3	22	733	3720	1	9	71	281	184	1243
	06/25	10	18	7	109	1531	7785	0	0	142	581	242	1747
	06/26	10	15	1	20	1474	7314	0	0	122	526	250	1688
	06/27	9	9	1	12	397	2067	0	0	95	408	169	1224
	06/28	9	10	2	37	823	4246	2	23	184	808	403	2218
	06/29	9	16	2	9	648	3311	1	8	116	449	223	1710
	06/30	10	10	1	10	491	2659	6	51	140	594	186	1415
	07/01	10	10	3	66	382	1998	0	0	180	800	155	1182
	07/02	10	11	1	25	725	3807	1	9	203	888	186	1406

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	07/03	10	10	5	100	1028	5188	0	0	356	1577	198	1520
	07/04	10	10	2	18	386	2041	0	0	294	1277	106	726
	07/05	10	10	3	33	690	3638	5	49	855	3748	218	1658
	07/06	9	9	1	12	430	2294	1	10	963	4152	221	1565
	07/07	8	8	0	0	469	2488	3	29	1034	4539	190	1443
	07/08	9	9	1	12	428	2345	5	43	1429	6075	140	1121
	07/12	9	9	4	58	1002	5725	38	308	3146	13193	381	3042
	07/13	10	17	4	56	820	4552	66	558	3196	13362	600	4498
	07/14	10	10	1	21	487	2733	20	187	1964	8337	433	3459
	07/15	8	16	0	0	99	554	3	27	1688	6784	351	2738
	07/19	9	9	1	17	284	1582	9	76	3142	14169	451	3134
	07/20	11	20	3	22	205	1093	21	178	3965	16588	487	3641
	07/21	10	21	5	95	556	3168	55	462	9899	41334	603	4331
	07/22	12	19	0	0	1254	7020	39	321	7070	29584	428	3020
	07/26	8	8	0	0	766	4493	25	218	7008	29364	166	1200
	07/27	10	11	1	10	615	3426	57	492	5655	23446	210	1549
	07/28	9	9	1	10	321	1804	39	358	5055	21168	173	1235
	07/29	10	10	1	25	226	1275	28	243	4339	17983	158	1186
	08/02	9	9	2	39	2347	12760	77	668	8152	34265	213	1489
	08/03	10	17	3	65	1221	6662	68	608	5041	21113	205	1396
	08/04	9	9	2	19	281	1554	51	443	2604	10972	61	420
	08/05	10	10	2	49	118	585	37	337	2404	9937	75	539
	08/06	8	8	0	0	144	751	41	381	1669	7009	98	690
	08/16	7	7	1	16	1760	9338	100	991	3614	15357	84	577
	08/17	9	15	0	0	1634	8945	141	1300	3826	16384	83	544
	08/18	9	15	0	0	1137	5942	163	1393	2340	10081	83	553
	08/23	8	8	1	36	941	4960	215	2075	1543	6703	121	824
	08/24	7	8	0	0	936	4970	211	2168	1499	6244	88	591
	08/25	7	8	1	39	783	4102	266	2712	1589	6605	127	810
	08/26	6	7	0	0	512	2637	179	1801	751	3057	86	593
	08/27	8	9	0	0	1171	6081	243	2602	1050	4138	107	626
	08/31	7	7	0	0	403	2116	184	1947	127	522	25	152
	09/01	7	9	3	72	285	1509	216	2182	67	280	44	282
	09/02	6	6	0	0	105	552	186	2027	29	100	14	87
	09/19	4	6	1	15	185	927	36	343	0	0	0	0
	09/20	4	5	1	17	130	647	12	128	0	0	0	0
	09/21	6	9	1	18	541	2711	36	326	0	0	0	0
	TOTAL	14	607	110	1777	39664	208553	2891	28123	98754	415343	11007	79294
	AVG.WT.				16.15		5.26		9.73		4.21		7.20
25430	06/10	-	-	0	0	36	188	0	0	0	0	17	130
	06/22	-	-	0	0	60	303	0	0	5	19	36	280
	06/23	-	-	0	0	170	903	0	0	10	38	46	354
	06/24	-	-	0	0	154	812	0	0	15	68	27	198
	06/25	-	-	0	0	234	1153	1	6	25	104	34	260
	06/26	-	-	0	0	88	443	0	0	12	54	11	83
	07/20	-	-	0	0	44	231	8	54	835	3330	77	659
	07/22	-	-	0	0	33	196	6	50	2425	10112	69	541
	07/26	-	-	0	0	57	307	4	31	595	2429	25	218
	07/27	-	-	0	0	11	56	6	51	230	940	9	70
	07/28	-	-	0	0	41	206	11	98	1118	4407	23	198
	07/29	-	-	1	26	27	152	10	87	860	3497	32	267
	08/02	-	-	1	37	129	741	19	171	399	1579	21	146
	08/03	-	-	0	0	135	719	24	222	479	1967	23	168
	08/04	-	-	2	50	53	309	35	330	828	3202	13	94
	08/05	-	-	0	0	23	127	30	280	273	1138	5	35
	08/17	-	-	0	0	377	1984	96	801	1120	4083	29	178
	08/27	-	-	0	0	269	1338	98	1007	54	215	2	14
	TOTAL	-	25	4	113	1941	10168	348	3188	9283	37182	499	3893
	AVG.WT.				28.25		5.24		9.16		4.01		7.80
25440	06/09	7	7	0	0	346	1815	0	0	2	8	45	356
	06/10	8	9	26	308	672	3462	0	0	9	32	87	639
	06/14	8	8	1	29	555	2836	0	0	23	90	91	676
	06/15	8	8	11	160	975	4692	0	0	43	165	237	1752
	06/16	8	9	11	174	1351	6580	0	0	56	235	315	2349
	06/17	8	8	2	39	461	2470	0	0	38	174	166	1328
	06/18	8	8	9	119	574	2935	0	0	35	158	183	1362
	06/19	8	8	6	81	541	2721	0	0	28	115	208	1497
	06/20	8	8	2	33	275	1479	0	0	30	144	166	1291
	06/21	8	8	2	25	223	1243	1	4	30	118	89	727
	06/22	6	6	4	49	412	2265	1	4	32	130	85	681
	06/23	7	7	1	11	628	3423	0	0	63	263	147	1079
	06/24	8	8	11	135	1197	6761	0	0	85	357	171	1323
	06/25	8	8	3	39	2464	12753	1	7	366	1517	351	2583
	06/26	10	17	11	134	1299	6632	7	48	195	805	277	1867
	06/27	10	10	9	126	366	2003	1	9	88	384	199	1502
	06/28	9	9	22	264	748	3852	4	32	302	1307	362	2646
	06/29	9	9	4	69	954	4981	3	22	259	1171	205	1582

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	06/30	10	10	16	223	1349	6886	4	27	458	1967	332	2419
	07/01	10	10	26	329	1135	5928	7	53	605	2508	395	2811
	07/02	10	10	21	313	3779	18867	15	132	1735	6900	953	6705
	07/03	9	10	17	187	3307	16694	35	251	2549	10552	777	5440
	07/04	10	10	27	294	683	3641	19	144	606	2492	179	1312
	07/05	9	9	38	395	2270	11577	27	197	2876	11662	634	4447
	07/06	11	11	51	508	2027	10694	51	378	3789	15565	754	5473
	07/07	10	10	53	527	1126	5827	56	413	3964	16660	538	3918
	07/08	10	13	29	368	1859	9772	70	563	5482	22814	590	4417
	07/12	9	9	20	244	619	3265	108	829	2493	10617	410	2998
	07/13	10	10	26	351	1460	7647	205	1553	6598	26817	992	7679
	07/14	10	10	16	233	1142	6127	159	1233	4373	18081	870	6914
	07/15	10	19	9	162	819	4479	55	420	5047	20564	862	6470
	07/18	-	-	0	0	32	221	0	0	111	450	24	190
	07/19	10	10	15	307	577	3089	21	181	5802	23568	536	4082
	07/20	11	15	7	154	868	4683	39	309	13218	54219	909	7034
	07/21	10	13	5	72	805	4479	49	371	10628	44188	608	4591
	07/22	9	17	6	100	1068	5752	50	347	17758	73005	721	5348
	07/26	9	11	2	52	627	3492	19	158	4197	17134	211	1560
	07/27	11	21	15	198	763	4110	42	340	7246	29482	222	1728
	07/28	9	12	4	63	339	1942	44	371	8387	34348	242	1843
	07/29	9	17	1	26	608	3311	37	319	10015	41140	382	2898
	08/02	9	10	0	0	2472	14444	51	419	10206	40914	280	2074
	08/03	10	15	1	9	2614	14837	88	696	12607	52352	329	2490
	08/04	9	19	0	0	1698	9776	61	545	6808	28538	103	780
	08/05	11	19	3	76	812	4467	72	631	6516	27147	104	744
	08/06	11	17	1	31	980	5611	163	1389	4476	18960	147	1141
	08/16	11	14	0	0	2812	15565	227	2188	5441	22788	121	819
	08/17	10	17	0	0	3750	19774	321	2899	9731	40080	314	2155
	08/18	11	15	1	22	2603	13824	299	2843	8250	33951	288	1960
	08/23	6	6	0	0	1582	8655	116	1044	1187	4937	67	448
	08/24	6	6	1	18	2577	13980	441	4263	2031	8515	129	787
	08/25	6	6	1	26	2236	11964	381	3817	1801	7419	136	909
	08/26	6	6	2	38	999	5269	129	1314	554	2358	28	169
	08/27	-	5	0	0	586	3088	70	673	343	1374	28	191
	08/31	5	5	0	0	665	3510	100	1069	226	941	9	54
	09/01	5	5	0	0	1327	7060	314	3292	432	1777	38	242
	09/02	5	5	0	0	1780	9492	261	2752	422	1706	51	319
	TOTAL	14	583	549	7121	70796	376702	4224	38549	190652	785663	17697	130799
	AVG.WT.				12.97		5.32		9.13		4.12		7.39
25730	08/24	29	43	0	0	15103	78756	106	1019	110	478	25	201
	08/25	19	29	0	0	4515	20534	77	769	56	232	0	0
	08/26	8	8	0	0	970	4552	43	380	17	70	1	4
	08/27	-	-	0	0	723	3238	48	549	19	80	0	0
	TOTAL	30	82	0	0	21311	107080	274	2717	202	860	26	205
	AVG.WT.				0.00		5.02		9.92		4.26		7.88
25740	06/09	11	11	6	119	3285	15848	0	0	1	3	13	93
	06/10	14	14	4	75	3041	14246	0	0	0	0	25	200
	06/17	14	15	1	14	3703	17875	0	0	1	4	37	267
	06/18	16	16	8	150	2901	13895	0	0	5	20	40	322
	06/19	12	12	1	24	1489	7132	0	0	0	0	36	280
	06/20	12	12	0	0	1038	4699	0	0	0	0	35	258
	06/21	9	9	3	59	853	3707	0	0	0	0	31	229
	06/22	10	11	8	142	1417	6383	0	0	0	0	49	386
	06/26	13	16	4	49	9918	49016	0	0	2	7	36	268
	06/27	14	16	6	72	8718	42135	0	0	0	0	47	364
	06/28	13	14	1	24	3017	13859	0	0	3	12	61	498
	06/29	12	12	3	32	929	3821	0	0	0	0	33	270
	06/30	13	13	1	15	871	3525	0	0	1	3	22	184
	07/01	13	13	2	31	687	2857	1	8	1	3	22	167
	07/02	11	11	0	0	492	2113	0	0	4	13	21	166
	07/06	12	12	1	16	5390	26182	1	7	10	38	46	345
	07/07	15	15	2	29	5677	26060	0	0	16	62	62	468
	07/08	13	13	1	18	1448	6270	0	0	5	18	20	163
	07/09	13	13	2	28	732	3116	1	8	7	33	38	311
	07/10	10	10	0	0	310	1307	0	0	1	3	49	369
	07/11	10	10	0	0	183	853	0	0	0	0	4	29
	07/12	11	11	0	0	428	1841	0	0	7	26	29	204
	07/13	8	8	0	0	232	954	0	0	3	12	4	26
	07/14	9	9	0	0	205	885	0	0	3	12	13	104
	07/15	6	6	0	0	163	662	0	0	9	37	30	247
	07/19	14	16	0	0	7138	36178	1	7	294	1220	82	589
	07/20	24	26	1	10	7034	31762	2	16	249	1004	471	3961
	07/21	13	14	1	11	718	3481	1	10	106	429	57	443
	07/22	14	14	0	0	1295	6225	3	25	437	1743	54	411
	07/26	13	14	1	26	9663	49680	3	19	1063	4793	28	199
	07/27	12	12	0	0	2268	10752	34	168	405	1845	10	91

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	07/28	11	12	1	10	1217	5523	2	14	802	3802	31	250
	07/29	11	11	0	0	463	2138	2	13	503	2321	21	188
	08/04	13	13	0	0	4291	23242	15	112	4812	21620	95	817
	08/05	14	21	0	0	2205	11203	21	181	3047	13782	75	668
	08/06	13	13	0	0	728	3489	22	194	2300	10145	135	1119
	08/16	12	12	9	77	2786	15142	131	1224	3954	17421	227	1485
	08/17	12	12	0	0	685	3594	139	1125	2642	12303	128	997
	08/18	12	12	0	0	826	4087	168	1555	1115	4928	290	2490
	08/23	10	10	0	0	2276	12222	270	2768	613	2545	371	3168
	08/24	9	10	1	18	539	2782	205	2147	248	1031	239	2192
	08/25	6	9	0	0	844	4578	194	2037	124	533	165	1483
	08/26	12	16	0	0	1229	6538	410	4363	302	1388	573	5138
	08/27	12	13	0	0	1186	6370	315	3347	223	968	518	4443
	08/28	13	13	0	0	1255	6568	240	2637	161	663	207	1762
	08/29	11	11	0	0	694	3580	217	2393	83	337	173	1590
	08/30	9	9	0	0	774	4068	226	2498	19	68	327	2622
	08/31	9	9	0	0	316	1639	310	3498	16	74	444	3642
	09/01	9	11	0	0	270	1418	303	3242	4	15	334	2861
	09/02	9	10	0	0	570	2818	241	2696	5	19	291	2569
	09/03	9	9	0	0	361	1861	189	2032	5	17	113	1025
	09/04	8	10	0	0	478	2451	118	1294	6	20	157	1341
	09/05	7	9	0	0	561	2945	244	2496	3	9	187	1415
	09/06	8	9	0	0	464	2390	248	2730	1	3	178	1422
	09/07	8	8	1	14	433	2150	172	1873	2	6	143	1119
	09/08	7	8	0	0	354	1825	109	1203	4	13	137	1091
	09/09	8	8	0	0	420	2138	85	868	0	0	206	1517
	09/10	7	7	0	0	251	1331	181	2177	0	0	310	2562
	09/11	9	9	0	0	587	2829	218	2414	0	0	197	1552
	09/12	6	6	0	0	155	798	87	1021	0	0	120	913
	09/13	-	-	0	0	131	657	0	0	0	0	0	0
	09/15	-	-	0	0	265	1300	0	0	0	0	0	0
	09/16	-	-	0	0	307	1598	24	289	0	0	19	112
	09/17	-	-	0	0	124	669	11	122	0	0	14	86
	09/18	-	-	0	0	295	1551	36	314	0	0	25	151
	09/19	-	-	0	0	37	179	3	23	0	0	0	0
	09/20	-	-	0	0	55	307	20	215	0	0	21	134
	09/21	-	-	0	0	313	1557	28	339	0	0	13	92
	09/22	-	-	0	0	182	1041	46	512	0	0	33	207
	09/27	-	-	0	0	460	2556	3	31	0	0	81	394
	TOTAL	35	724	69	1063	114630	560451	5300	56265	23627	105371	8103	66529
	AVG.WT.				15.41		4.89		10.62		4.46		8.21
25741	06/09	25	28	5	96	2739	13486	0	0	0	0	15	100
	06/10	22	28	4	112	2233	10793	1	3	3	12	11	76
	06/17	23	23	2	46	5175	24553	0	0	8	32	27	185
	06/18	26	30	2	34	8835	42117	0	0	20	80	39	314
	06/19	29	43	6	78	5892	28478	0	0	18	58	20	159
	06/20	29	36	4	46	6406	31394	1	6	11	36	28	213
	06/21	24	29	5	81	7527	36145	0	0	13	51	45	348
	06/22	29	37	6	97	14039	67801	0	0	33	127	96	769
	06/24	-	-	0	0	314	1631	0	0	1	3	1	7
	06/26	26	27	0	0	9053	44366	1	10	37	141	52	426
	06/27	27	43	0	0	12325	58992	2	13	38	150	98	792
	06/28	30	41	2	21	9256	45557	7	55	100	380	112	851
	06/29	15	18	3	32	3557	16554	0	0	57	212	38	272
	06/30	29	40	3	66	5972	27865	4	23	130	486	72	565
	07/01	25	29	2	32	6661	32034	16	117	155	603	124	1020
	07/02	26	30	2	22	5491	25191	3	26	106	397	110	904
	07/03	-	-	0	0	650	3227	0	0	9	38	21	177
	07/06	24	26	6	129	8657	41780	12	86	366	1500	120	854
	07/07	28	43	1	14	8974	43231	22	173	564	2286	145	1020
	07/08	28	33	3	105	8117	39501	34	267	737	2773	163	1269
	07/09	28	33	1	18	6683	33280	21	152	574	2300	141	1068
	07/10	30	41	1	11	7748	38521	26	194	958	3929	238	1743
	07/11	30	35	2	52	9659	48600	54	455	1119	4369	200	1471
	07/12	31	35	1	12	6119	30781	75	587	1512	6221	213	1603
	07/13	31	37	1	36	5761	29253	40	325	1430	5686	159	1241
	07/14	32	40	3	30	5782	30018	22	144	809	3386	107	821
	07/15	33	39	2	35	8252	41470	58	329	1644	6246	272	1958
	07/19	28	31	2	31	5366	27559	13	94	1659	6855	96	696
	07/20	23	23	1	23	4265	21080	9	73	705	2957	154	1177
	07/21	24	34	0	0	6241	32417	28	205	2040	8418	190	1308
	07/22	26	27	0	0	8371	42999	18	140	2226	9278	150	1067
	07/26	28	32	0	0	4630	24148	11	90	2943	12350	60	450
	07/27	33	51	1	39	10396	53967	26	202	6751	28557	147	1194
	07/28	31	37	3	45	6897	35004	21	150	4832	21023	91	746
	07/29	32	50	0	0	4466	22023	34	312	4528	19773	123	959
	08/04	29	34	2	43	5839	31634	56	446	10081	43280	205	1697

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	08/05	29	36	0	0	5042	26510	90	818	8886	38594	197	1653
	08/06	28	33	0	0	3458	18161	57	421	5411	22997	211	1738
	08/16	25	27	1	12	2998	16280	126	1164	2194	9432	256	2120
	08/17	27	37	1	25	3893	21173	226	2183	2759	11536	333	2561
	08/18	25	33	1	12	7107	37885	215	2118	2268	9353	388	2912
	08/23	20	20	0	0	2363	12677	205	2135	812	3112	419	3183
	08/24	19	21	2	29	5948	32224	299	3142	889	3560	486	3665
	08/25	18	29	0	0	5398	29140	265	2787	728	2878	468	3453
	08/26	18	23	0	0	6296	34321	527	5476	616	2593	420	3029
	08/27	22	27	0	0	10086	54202	631	6590	555	2261	595	3920
	08/28	22	25	0	0	8006	43153	469	4845	419	1571	446	3113
	08/29	22	29	0	0	6246	33372	349	3403	202	763	352	2463
	08/30	24	30	0	0	5674	28218	348	3750	73	216	315	2190
	08/31	22	28	0	0	3998	21239	508	5312	64	249	378	2716
	09/01	22	28	0	0	3178	16789	401	4385	23	83	311	2241
	09/02	21	24	0	0	3425	18485	388	4010	52	186	272	1931
	09/03	19	26	0	0	5285	28070	337	3444	56	209	332	2340
	09/04	16	24	1	14	3022	16264	188	1950	1	4	208	1521
	09/05	16	21	0	0	5149	27090	210	2309	8	26	246	1614
	09/06	15	20	0	0	4659	24682	276	3084	10	32	291	1891
	09/07	15	18	1	23	3256	17450	248	2680	13	42	199	1437
	09/08	15	19	0	0	1800	9485	170	1809	3	11	155	1091
	09/09	15	19	0	0	2787	14761	188	2054	5	36	196	1248
	09/10	15	17	0	0	2260	11850	211	2403	0	0	130	882
	09/11	13	16	0	0	2011	10491	189	2093	0	0	192	1243
	09/12	10	11	0	0	3218	16656	237	2490	0	0	202	1348
	09/13	-	-	0	0	769	4053	29	318	0	0	23	144
	09/16	7	7	0	0	2977	16165	201	2213	0	0	312	2026
	09/17	8	8	0	0	885	4847	105	876	0	0	94	573
	09/18	6	7	0	0	1259	6859	86	950	0	0	90	608
	09/19	6	7	0	0	1163	6265	23	244	0	0	46	264
	09/20	5	6	0	0	1387	7573	40	483	0	0	58	328
	09/21	-	-	0	0	813	4058	20	170	0	0	8	44
	09/22	4	4	0	0	761	4102	75	696	0	0	82	464
	TOTAL	61	1851	83	1501	364925	1852000	8552	87482	72264	303737	12594	91474
	AVG.WT.				18.08		5.08		10.23		4.20		7.26
25936	06/10	-	-	0	0	52	206	0	0	0	0	1	10
	06/15	-	-	0	0	49	236	0	0	3	10	2	15
	06/16	-	-	1	28	94	426	0	0	0	0	3	20
	06/18	-	-	1	31	45	200	0	0	1	4	1	5
	06/19	-	-	0	0	20	91	0	0	0	0	2	13
	06/21	-	-	1	21	92	497	0	0	4	11	3	21
	06/22	-	-	0	0	147	704	0	0	4	11	3	27
	06/23	-	-	0	0	37	183	0	0	2	5	0	0
	06/24	-	-	0	0	12	70	0	0	2	5	0	0
	06/25	-	-	0	0	75	370	2	11	3	9	2	11
	06/27	-	-	0	0	194	858	10	62	45	162	11	70
	06/28	-	-	0	0	80	443	0	0	13	52	2	19
	06/29	-	-	2	30	318	1769	8	44	95	380	15	76
	06/30	-	-	0	0	197	1244	11	66	27	108	15	97
	07/01	-	-	2	25	290	1669	15	87	50	190	16	119
	07/02	-	-	0	0	400	2115	15	101	193	826	25	170
	07/03	-	-	1	9	200	1072	14	92	85	356	11	60
	07/04	-	-	0	0	332	1966	62	448	343	1435	60	282
	07/05	-	-	0	0	107	621	15	92	217	865	47	242
	07/06	-	-	0	0	133	710	115	612	426	1697	51	388
	07/07	-	-	0	0	46	239	81	526	210	897	23	137
	07/08	-	-	0	0	52	297	75	476	350	1328	25	158
	07/12	-	-	1	15	179	1134	63	437	861	3666	22	162
	07/13	-	-	0	0	270	1660	63	428	610	2649	24	182
	07/14	-	-	0	0	310	2038	63	430	1300	5503	43	300
	07/15	-	-	0	0	55	334	25	164	629	2691	38	286
	07/20	-	-	0	0	43	234	4	29	425	1790	19	142
	07/21	-	-	0	0	23	127	5	37	495	2154	23	170
	07/22	-	-	0	0	103	662	19	117	1450	6122	63	515
	07/27	-	-	0	0	30	188	0	0	410	1559	7	49
	07/28	-	-	0	0	56	302	18	138	855	3206	31	186
	07/29	-	-	0	0	37	215	22	145	510	2074	15	105
	08/02	-	-	0	0	25	145	3	30	300	1180	14	83
	08/03	-	-	0	0	112	556	21	165	1155	4442	29	160
	08/04	-	-	0	0	255	1327	23	166	1580	6197	35	245
	08/05	-	-	0	0	150	758	3	22	1385	5381	28	192
	08/06	-	-	0	0	84	446	24	170	905	3533	36	137
	08/16	-	-	0	0	105	479	49	318	340	1380	17	111
	08/17	-	-	0	0	174	880	75	608	725	2768	60	495
	08/18	-	-	0	0	342	1722	233	1763	1280	4902	109	755
	08/23	-	-	0	0	12	92	69	607	50	208	7	44

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	08/24	-	-	0	0	16	115	200	1732	230	989	52	381
	08/25	-	-	0	0	55	325	164	1418	160	700	140	921
	08/26	-	-	0	0	41	268	216	1931	249	1063	173	1301
	TOTAL	-	45	9	159	5449	29993	1785	13472	17977	72508	1303	8862
	AVG.WT.				17.67		5.50		7.55		4.03		6.80
25937	06/10	-	-	1	20	7	40	0	0	0	0	3	27
	06/15	-	-	2	26	138	761	0	0	9	34	4	31
	06/17	-	-	1	5	95	473	0	0	15	69	3	28
	06/18	-	-	0	0	85	429	0	0	9	36	5	29
	06/19	-	-	0	0	38	191	0	0	5	26	0	0
	06/21	-	-	1	31	57	397	0	0	1	4	4	22
	06/22	-	-	0	0	108	577	1	8	1	4	1	7
	06/23	-	-	0	0	14	89	1	8	2	6	3	24
	06/24	-	-	1	20	157	816	1	5	12	49	1	7
	06/25	-	-	1	21	102	621	1	7	22	92	2	16
	06/26	-	-	0	0	171	880	1	7	30	111	11	61
	06/27	-	-	1	7	196	994	2	14	36	130	14	102
	06/28	-	-	0	0	135	735	1	7	15	58	6	37
	06/29	-	-	0	0	227	1382	13	80	33	147	15	98
	06/30	-	-	0	0	477	2826	18	84	45	181	0	0
	07/01	-	-	0	0	204	1317	12	67	64	227	15	135
	07/02	-	-	1	8	101	593	5	30	52	237	7	48
	07/03	-	-	1	29	177	1033	23	148	125	486	41	302
	07/04	-	-	0	0	79	413	13	84	154	582	22	134
	07/05	-	-	0	0	44	236	7	46	72	268	14	89
	07/06	-	-	0	0	42	225	11	67	225	852	23	150
	07/07	-	-	0	0	39	189	44	280	254	970	8	46
	07/08	-	-	0	0	52	230	65	444	352	1385	44	274
	07/13	-	-	1	22	180	1084	49	392	1701	6761	40	270
	07/14	-	-	0	0	113	672	55	372	1133	4586	59	514
	07/15	-	-	1	60	62	310	14	103	848	3453	33	254
	07/19	-	-	0	0	21	140	3	34	171	644	22	198
	07/20	-	-	2	52	150	823	17	121	1302	5538	51	414
	07/21	-	-	1	12	25	131	10	69	370	1502	70	575
*	07/22	-	-	1	17	82	478	15	120	821	3449	65	648
	07/27	-	-	0	0	45	233	12	95	759	3008	48	365
	07/28	-	-	0	0	37	204	11	87	600	2475	37	262
	07/29	-	-	1	31	31	136	28	214	760	3119	60	434
	08/02	-	-	0	0	8	41	12	93	205	828	23	174
	08/03	-	-	1	19	18	93	7	60	471	1867	45	367
	08/04	-	-	0	0	80	450	34	258	1430	5726	83	664
	08/05	-	-	1	21	56	296	15	116	644	2695	61	448
	08/06	-	-	1	19	123	617	38	293	1073	4529	175	1287
	08/16	-	-	0	0	24	144	70	636	363	1438	113	911
	08/17	-	-	0	0	71	378	92	806	540	2297	164	1220
	08/18	-	-	0	0	44	248	123	1048	620	2571	208	1387
	08/24	-	-	0	0	32	180	245	2057	310	1259	100	937
	08/25	-	-	0	0	25	157	116	913	140	587	88	643
	08/26	-	-	0	0	18	98	106	1034	125	518	81	615
	08/27	-	-	0	0	9	50	70	620	50	214	40	280
	09/01	-	-	0	0	10	67	65	660	38	155	45	412
	09/02	-	-	0	0	1	4	40	389	0	0	35	228
	TOTAL	4	54	20	420	4010	22481	1466	11976	16007	65173	1992	15174
	AVG.WT.				21.00		5.61		8.17		4.07		7.62
25938	06/10	-	-	0	0	130	609	0	0	0	0	0	0
	06/15	-	4	0	0	333	1538	0	0	30	121	6	39
	06/17	-	-	1	35	193	931	0	0	38	135	5	35
	06/18	-	-	2	27	150	695	0	0	15	65	0	0
	06/19	-	-	0	0	160	798	0	0	22	75	4	29
	06/21	-	-	1	20	200	1028	0	0	7	26	5	37
	06/22	-	-	0	0	185	935	0	0	18	85	4	31
	06/23	-	-	0	0	210	1080	0	0	18	70	6	40
	06/24	-	-	0	0	215	1149	0	0	39	141	8	64
	06/25	-	-	0	0	171	837	0	0	28	97	0	0
	06/26	-	4	1	22	395	2046	0	0	43	169	19	167
	06/27	-	-	0	0	135	715	0	0	31	115	19	135
	06/28	-	-	1	20	145	773	0	0	54	206	13	95
	06/29	-	-	1	21	383	2173	9	61	102	370	82	512
	07/01	-	-	1	18	300	1699	4	26	71	308	32	208
	07/02	-	-	0	0	374	2154	2	15	140	538	40	280
	07/03	-	-	2	45	375	2122	15	96	200	785	50	305
	07/04	-	-	0	0	89	466	0	0	190	752	30	208
	07/05	-	-	0	0	150	802	20	130	320	1310	45	350
	07/06	-	-	0	0	82	446	23	156	340	1344	50	280
	07/07	-	-	1	38	75	360	40	285	462	1804	58	395
	07/08	-	-	0	0	65	332	80	580	520	2147	60	424
	07/13	-	-	0	0	70	388	20	159	1352	5627	25	174

-Continued-

STAT AREA	DATE	PERMITS	LNDGS	CHINOOK #	CHINOOK LBS	SOCKEYE #	SOCKEYE LBS	COHO #	COHO LBS	PINK #	PINK LBS	CHUM #	CHUM LBS
	07/14	-	-	1	26	60	298	6	51	1037	4233	15	121
	07/15	-	-	0	0	90	480	21	151	1148	4592	54	368
	07/19	-	-	1	35	70	405	0	0	860	3666	45	305
	07/21	-	-	0	0	71	320	10	64	1680	7153	90	682
	07/22	-	-	0	0	301	1625	24	177	3140	13506	140	1070
	07/26	-	-	0	0	30	145	2	14	840	3580	37	276
	07/27	-	-	0	0	68	360	8	54	1025	4522	71	497
	07/28	-	-	0	0	163	868	50	381	2018	9027	148	1000
	07/29	-	-	0	0	128	658	50	340	2250	10429	165	1174
	08/02	-	-	0	0	56	310	2	18	1280	6018	80	590
	08/03	-	-	0	0	75	410	15	100	2000	9441	145	1144
	08/04	-	-	0	0	150	920	20	176	3110	15291	210	1495
	08/05	-	-	0	0	110	685	25	186	1960	9533	150	977
	08/06	-	-	0	0	120	666	32	253	1790	8814	215	1721
	08/16	-	-	0	0	45	267	125	1028	900	4315	117	886
	08/17	-	-	0	0	80	450	130	1203	930	4360	170	1328
	08/18	-	-	0	0	62	385	145	1280	1090	5198	115	898
	08/23	-	-	0	0	17	110	172	1758	270	1300	120	890
	08/24	-	-	0	0	40	235	290	2785	480	2289	160	1164
	08/25	-	-	0	0	25	150	310	3094	445	2020	160	1237
	08/26	-	-	0	0	20	136	290	3089	280	1346	75	615
	08/27	-	-	0	0	12	73	255	2659	260	1303	110	836
	09/01	-	-	0	0	6	35	340	3548	50	235	60	485
	09/02	-	-	0	0	10	55	250	2579	30	156	40	340
	TOTAL	4	93	13	307	6394	34122	2785	26496	32913	148617	3253	23907
	AVG.WT.				23.62		5.34		9.51		4.52		7.35
25939	06/10	-	-	0	0	200	924	0	0	0	0	12	70
	TOTAL	-	-	0	0	200	924	0	0	0	0	12	70
	AVG.WT.				0.00		4.62		0.00		0.00		5.83
SET GILLNET TOTAL		169	7024	2067	32965	996153	5091299	53298	493706	1150137	4743220	122340	875599
	AVG.WT.				15.95		5.11		9.26		4.12		7.16
TEST FISH													
25741	05/29	-	-	0	0	4	20	0	0	0	0	0	0
	05/30	-	-	0	0	24	103	0	0	0	0	0	0
	06/01	-	-	0	0	33	149	0	0	0	0	0	0
	06/05	-	-	0	0	80	366	0	0	0	0	0	0
	06/06	-	-	0	0	11	55	0	0	0	0	0	0
	06/08	-	-	0	0	10	46	0	0	0	0	0	0
	06/09	-	-	0	0	55	263	0	0	0	0	0	0
	06/14	-	-	0	0	71	350	0	0	0	0	0	0
	06/16	-	-	0	0	179	847	0	0	0	0	0	0
	06/17	-	-	0	0	163	771	0	0	0	0	0	0
	06/18	-	-	0	0	2	10	0	0	0	0	0	0
	06/20	-	-	0	0	5	27	0	0	0	0	0	0
	06/22	-	-	0	0	11	55	0	0	0	0	0	0
	06/23	-	-	0	0	45	201	0	0	0	0	1	11
	06/25	-	-	0	0	154	744	0	0	0	0	1	7
	06/27	-	-	0	0	35	169	0	0	0	0	0	0
	06/29	-	-	0	0	4	20	0	0	0	0	0	0
	07/05	-	-	0	0	147	696	0	0	0	0	2	12
	07/06	-	-	0	0	109	524	0	0	0	0	1	6
	07/09	-	-	0	0	7	35	0	0	0	0	0	0
	TOTAL	-	21	0	0	1149	5451	0	0	0	0	5	36
	AVG.WT.				0.00		4.74		0.00		0.00		7.20
TEST FISH TOTAL		-	21	0	0	1149	5451	0	0	0	0	5	36
	AVG.WT.				0.00		4.74		0.00		0.00		7.20
GRAND TOTAL		461	14630	22576	315000	2878023	14342261	296305	2575410	8162564	31116298	738856	5490740
	AVG.WT.				13.95		4.98		8.69		3.81		7.43

Appendix P.1. Indexed peak salmon escapement by District and species, in the Kodiak Management Area, 1994.

District	Number of Fish[a]					Number of Observations
	Sockeye	Pink	Chum	Coho	Chinook	
Afognak	112,254	533,979	5,537	53,288	6	63
Northwest	29,575	918,415	61,150	17,340	0	119
Southwest	1,228,210	656,140	80,238	60,071	21,187	15
Alitak	518,814	545,907	69,096	18,257	391	50
Eastside	62,425	558,644	135,970	19,973	1	151
Northeast	11,783	436,005	10,300	11,039	6	72
Mainland	78,450	344,930	183,100	26,450	0	109
TOTAL	2,041,511	3,994,020	545,391	206,418	21,591	579

Appendix P.2. Index peak salmon escapement counts for the Afognak District, by stream and species, 1994.

Stream	Number of Fish[a]					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
251-101	0	0	0	0	0	9/02	Prokopowich	1
251-105	9,042	8,035	0	0	0	8/11	Weir Count	
	-	35,000	-	-	-	8/12	Honnold	2
251-301	0	0	0	1,900	0	8/31	Prokopowich	1
251-302	0	10,000	0	3,500	0	8/31	Prokopowich	1
251-403	0	51,000	0	0	0	7/28	Prokopowich	1
251-404	0	77,900	0	0	0	8/05	Brennan	2
251-406	420	129	0	0	0	7/07	Watchers	1
	0	3,145	0	0	0	8/23	Watchers	1
	0	0	0	1,500	0	9/16	Watchers	1
251-502	0	5,800	0	78	0	9/07	Barrett	1
251-503	0	0	0	0	0	9/07	Barrett	2
251-504	0	1,800	0	200	0	8/15	Brennan	2
251-505	0	1,728	1	0	0	9/07	Barrett	2
251-506	1	2,950	0	1,500	0	9/07	Barrett	1
251-508	0	27,000	0	0	0	8/05	Brennan	1
251-509	0	500	0	0	0	8/05	Brennan	1
251-510	0	500	0	1,100	0	8/15	Brennan	1
251-601	27	2,065	0	3,960	0	9/30	Weir Count	
251-603	0	100	0	1,000	0	9/07	Barrett	1
251-705	0	1,610	0	1,350	0	9/08	Barrett	1
251-821	0	17,500	0	0	0	8/15	Brennan	2
251-822	0	25,324	0	0	1	8/15	Kansteiner	
	192	-	0	0	0	8/18	Kansteiner	5
251-825	3,500	0	0	0	0	8/08	Brennan	
	-	14,500	0	8,000	0	8/31	Prokopowich	4
251-827	0	2,000	0	0	0	8/15	Brennan	2
251-831	16,100	7,002	28	12,538	0	9/06	Weir Count	
251-901	0	11,000	0	0	0	8/15	Brennan	2
251-902	0	3,000	0	1	0	8/15	Brennan	2
252-302	0	450	0	0	0	8/15	Brennan	
	0	-	0	25	0	8/17	Bouwens	3
252-306	0	892	0	0	0	8/19	Bouwens	4
252-307	0	0	0	0	0	8/08	Brennan	1
252-309	0	25	0	10	0	8/19	Bouwens	3
252-323	2,402	1,311	0	0	0	8/29	Cleary	1
252-324	0	16,000	5,500	2,560	0	9/15	Joyce	1
252-331	0	5,220	0	0	0	8/19	Bouwens	
	0	0	0	600	0	8/31	Prokopowich	2
252-332	0	32,000	0	0	0	8/05	Brennan	1
252-334	0	737	0	1	0	8/19	Bouwens	1
252-342	80,570	49,756	8	11,965	5	9/11	Weir Count	
252-343	0	118,000	0	0	0	7/28	Prokopowich	
	0	0	0	1,500	0	9/02	Prokopowich	5
	112,254	533,979	5,537	53,288	6			63

Appendix P.3. Index peak salmon escapement counts for the Northwest Kodiak District, by stream and species, 1994.

Stream	Number of Fish[a]					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
253-115	4,200	152,000	0	0	0	8/12	Brennan	
	-	0	0	40	0	10/18	Johnson	6
253-121	0	2,500	0	0	0	8/12	Brennan	5
253-122	0	179,000	10,000	0	0	8/18	Brennan	
	22,600	-	-	0	0	8/19	Hander	
	-	0	0	3,100	0	10/17	Johnson	14
253-313	0	1,500	0	0	0	9/02	Prokopowich	1
253-321	0	800	0	0	0	9/02	Prokopowich	1
253-331	0	15,000	-	0	0	7/27	Prokopowich	
	0	-	5,700	0	0	8/12	Brennan	
	0	49,000	-	0	0	8/31	Prokopowich	
	0	0	0	350	0	10/18	Johnson	10
253-332	0	26,000	0	0	0	8/18	Brennan	4
253-333	0	1,500	0	0	0	8/12	Brennan	1
254-202	0	83,000	0	0	0	8/13	Prokopowich	
	0	-	8,000	0	0	8/18	Brennan	
	0	0	0	2,000	0	10/17	Johnson	10
254-203	0	14,500	1,600	0	0	8/18	Brennan	5
254-204	0	148,000	0	0	0	8/12	Brennan	5
254-207	0	2,000	0	0	0	8/18	Brennan	1
254-301	0	-	16,800	0	0	7/27	Prokopowich	
	0	74,000	-	0	0	8/18	Brennan	
	0	0	-	6,800	0	10/18	Johnson	12
254-302	0	6,500	500	0	0	8/12	Brennan	3
254-401	375	12,800	10,300	0	0	8/31	Barrett	
	0	0	0	4,800	0	10/18	Johnson	9
254-403	-	475	0	0	0	9/06	Honnold	8
259-363	2,400	500	0	0	0	8/09	Brennan	2
259-364	0	650	0	0	0	9/02	Prokopowich	2
259-365	0	2,000	0	0	0	7/28	Prokopowich	
	0	26,700	5,700	0	0	9/02	Prokopowich	4
259-366	0	500	0	0	0	8/09	Brennan	1
259-367	0	550	0	0	0	8/09	Brennan	1
259-371	0	74,400	2,550	0	0	8/09	Brennan	4
259-372	0	1,400	0	0	0	7/27	Brennan	2
259-373	0	0	0	0	0	8/09	Brennan	1
259-382	0	18,900	0	0	0	8/09	Brennan	1
259-383	0	0	0	0	0	8/09	Brennan	1
259-392	0	17,200	0	200	0	8/09	Brennan	1
259-393	0	0	0	0	0	8/09	Brennan	1
259-394	0	6,240	0	0	0	8/09	Brennan	1
259-395	0	0	0	50	0	9/02	Prokopowich	1
259-397	0	800	0	0	0	8/09	Brennan	1
	29,575	918,415	61,150	17,340	0			119

Appendix P.4. Index peak salmon escapement counts for the Southwest Kodiak District, by stream and species, 1994.

Stream	Number of Fish[a]					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
255-101	848,029	438,991	135	23,263	12,049	9/24	Weir Count	
256-201	380,181	195,449	103	33,658	9,138	9/07	Weir Count	
256-202	0	0	0	0	0	6/29	Prokopowich	1
256-301	0	6,200	0	100	0	9/02	Johnson	1
256-302	0	1,000	0	1,100	0	9/02	Johnson	1
256-303	0	0	0	0	0	9/02	Johnson	1
256-401	0	0	80,000	0	0	6/29	Prokopowich	
	0	8,500	-	0	0	8/18	Brennan	
	0	0	0	1,950	0	9/30	Johnson	7
256-402	0	6,000	0	0	0	8/16	Prokopowich	4
	1,228,210	656,140	80,238	60,071	21,187			15

Appendix P.5. Index peak salmon escapement counts for the Alitak Bay District, by stream and species, 1994.

Stream	Number of Fish[a]					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
257-102	0	0	10,800	0	0	7/27	Prokopowich	
	0	3,910	0	0	0	9/02	Johnson	
	0	0	0	1,100	0	10/17	Johnson	4
257-302	13,681	48,799	0	1,785	0	9/06	Weir Count	
257-303	2,400	0	0	0	0	8/05	Hander	
	-	790	0	800	0	9/01	Kuriscak	4
257-304	259,320	14,000	2	4,836	6	9/10	Weir Count	
257-305	0	69	17	0	0	9/02	Stone	2
257-401	0	7,092	2,018	0	0	8/31	Kuriscak	2
257-402	-	1,865	2,078	3,017	0	9/02	Kuriscak	
	2,500	-	-	-	0	9/02	Johnson	7
257-403	240,913	82,903	4,274	4,944	385	9/05	Weir Count	
257-404	0	1,479	7	0	0	8/28	Stone	1
257-502	0	149,500	10,500	0	0	8/19	Brennan	
	0	1,700	0	0	0	10/17	Johnson	8
257-503	0	7,000	300	0	0	8/19	Hander	
	0	0	0	25	0	10/17	Johnson	4
257-601	0	2,000	20,000	0	0	9/01	Johnson	
	0	0	0	600	0	10/17	Johnson	4
257-602	0	26,500	0	0	0	8/08	Prokopowich	
	0	-	2,000	0	0	9/01	Johnson	3
257-603	0	800	0	0	0	7/27	Hander	
	0	0	17,000	0	0	9/01	Johnson	
	0	0	0	600	0	10/17	Johnson	5
257-604	0	1,000	100	0	0	8/08	Hander	1
257-701	0	196,500	0	0	0	8/17	Prokopowich	
	0	0	0	550	0	9/30	Johnson	5
	518,814	545,907	69,096	18,257	391			50

Appendix P.6. Index peak salmon escapement counts for the Eastside Kodiak District, by stream and species, 1994.

Stream	Number of Fish[a]					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
258-101	0	150	50	0	0	8/11	Brennan	1
258-201	0	3,500	12,000	0	0	8/11	Brennan	1
258-202	0	2,000	4,000	2,000	0	9/07	Prokopowich	2
258-203	0	7,005	0	0	0	8/11	Brennan	1
258-204	0	6,000	-	0	0	8/11	Brennan	
	0	0	16,000	0	0	9/07	Prokopowich	6
258-205	0	2,000	-	0	0	8/11	Brennan	
	0	0	8,000	0	0	9/07	Prokopowich	5
258-206	0	16,500	4,500	0	0	8/11	Brennan	4
258-207	0	4,000	-	0	0	8/08	Prokopowich	
	0	-	2,000	0	0	8/11	Brennan	
	0	19,000	0	0	0	9/07	Prokopowich	
	0	0	0	550	0	10/18	Johnson	12
258-208	0	0	4,200	0	0	8/08	Prokopowich	3
258-209	0	250	100	0	0	8/08	Prokopowich	1
258-210	0	2,000	0	0	0	8/11	Brennan	1
258-211	0	500	5,500	0	0	8/11	Brennan	1
258-212	0	2,000	4,500	0	0	8/11	Brennan	4
258-213	0	0	0	0	0	8/11	Brennan	2
258-304	0	14,400	0	0	0	8/11	Brennan	1
258-305	0	3,700	0	0	0	8/11	Brennan	1
258-511	0	0	4,500	0	0	8/08	Prokopowich	1
258-521	0	34,500	0	0	0	8/08	Prokopowich	
	0	-	2,750	0	0	8/11	Brennan	
	0	5,000	0	8,500	0	9/07	Brennan	8
258-522	0	79,500	10,500	0	0	8/16	Brennan	
	0	-	-	4,000	0	9/07	Prokopowich	12
258-531	0	8,000	0	0	0	9/01	Johnson	2
258-532	0	500	0	0	0	9/01	Johnson	2
258-533	0	0	0	0	0	9/01	Johnson	2
258-541	0	9,450	0	0	0	8/16	Brennan	
	0	0	0	1,225	0	9/30	Johnson	7
258-542	0	26,900	0	0	0	8/16	Brennan	
	0	0	0	25	0	9/30	Johnson	6
258-544	0	2,600	0	0	0	8/16	Brennan	3
258-551	0	12,710	50	0	0	8/16	Brennan	3
258-552	0	1,600	0	0	0	8/16	Brennan	1
258-554	0	14,500	0	0	0	8/16	Brennan	
	0	0	3,700	0	0	9/01	Johnson	4
258-601	0	5,000	0	0	0	8/08	Prokopowich	2
258-602	0	15,400	1,850	0	0	8/16	Brennan	
	0	0	0	1,500	0	9/30	Johnson	3
258-603	0	1,500	0	0	0	8/16	Brennan	1
258-604	0	0	2,000	0	0	8/16	Brennan	1
258-701	0	163,500	0	0	0	8/16	Brennan	5
258-702	0	2,800	0	0	0	8/08	Prokopowich	2
258-705	250	100	0	0	0	8/16	Brennan	1
259-410	0	300	0	0	0	8/01	Brennan	1
259-411	2,400	500	0	0	0	8/01	Brennan	2
259-412	800	-	0	0	0	8/08	Brennan	
	-	11,400	0	0	0	8/11	Brennan	6
259-414	0	18,000	-	0	0	8/05	Gretsch	
	0	-	1,300	0	0	8/08	Prokopowich	5
259-415	0	-	500	0	0	8/08	Brennan	
	-	16,664	-	-	0	8/11	Brennan	3
	58,975	-	-	2,173	1	9/21	Weir Count	
259-416	0	50	100	0	0	8/01	Brennan	
	0	2,000	2,800	0	0	8/11	Brennan	3
259-418	0	0	20	0	0	8/08	Brennan	1
259-419	0	20	0	0	0	8/08	Brennan	1
259-420	0	0	50	0	0	8/08	Brennan	1
259-421	0	0	50	0	0	8/08	Brennan	1
259-422	0	2,200	0	0	0	8/08	Brennan	1
259-423	0	70	0	0	0	8/08	Brennan	
	0	-	7,850	0	0	8/08	Prokopowich	3

-Continued-

Stream	Number of Fish[a]					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
259-424	0	38,500	-	0	0	8/11	Brennan	
	0	-	8,000	0	0	9/07	Prokopowich	6
259-425	0	25	0	0	0	8/08	Brennan	1
259-426	0	150	0	0	0	8/08	Brennan	1
259-427	0	2,200	200	0	0	8/08	Brennan	1
259-428	0	0	28,900	0	0	9/07	Prokopowich	2
	62,425	558,644	135,970	19,973	1			151

Appendix P.7. Index peak salmon escapement counts for the Northeast Kodiak District, by stream and species, 1994.

Stream	Number of Fish[a]					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
259-101	0	7,000	0	0	0	9/02	Prokopowich	
	0	-	0	1,749	0	9/27	Sportfish	5
259-102	0	17,000	0	0	0	9/02	Prokopowich	
	0	-	0	199	0	9/28	Sportfish	5
259-211	0	-	200	0	0	8/01	Brennan	
	-	128,000	-	0	0	8/18	Brennan	8
	11,783	-	-	8,146	6	9/29	Weir Count	
259-221	0	10,000	0	0	0	8/05	Gretsch	3
259-222	0	8,500	0	0	0	8/05	Gretsch	3
259-223	0	300	0	226	0	9/22	Sportfish	4
259-231	0	95,000	5,100	0	0	8/11	Brennan	
	0	230	0	194	0	10/06	Sportfish	7
259-233	0	11,000	0	0	0	8/11	Brennan	1
259-234	0	0	0	0	0	8/01	Brennan	1
259-242	0	78,500	5,000	0	0	8/11	Brennan	
	0	0	0	395	0	10/21	Sportfish	9
259-243	0	1,500	0	0	0	8/01	Brennan	2
259-244	0	0	0	0	0	8/01	Brennan	2
259-245	0	20,500	0	0	0	8/09	Prokopowich	1
259-246	0	0	0	0	0	8/05	Gretsch	2
259-251	0	24,000	0	0	0	8/09	Prokopowich	
	0	0	0	130	0	10/21	Sportfish	6
259-252	0	7,200	0	0	0	8/08	Brennan	4
259-253	0	3,275	0	0	0	8/01	Brennan	4
259-254	0	24,000	0	0	0	8/09	Prokopowich	5
	11,783	436,005	10,300	11,039	6			72

Appendix P.8. Index peak salmon escapement counts for the Mainland District, by stream and species, 1994.

Stream	Number of Fish[a]					Date	Observer	Number of Surveys
	Sockeye	Pink	Chum	Coho	Chinook			
262-101	0	300	0	0	0	8/31	Prokopowich	1
262-101A	0	300	0	100	0	8/31	Prokopowich	1
262-102	0	0	0	0	0	8/31	Prokopowich	1
262-103	0	0	0	0	0	8/31	Prokopowich	1
262-104	0	0	0	0	0	8/31	Prokopowich	1
262-105	0	0	0	0	0	8/31	Prokopowich	1
262-107	0	0	0	0	0	8/31	Prokopowich	1
262-107A	0	10	0	50	0	8/31	Prokopowich	1
262-108	0	20	0	0	0	8/31	Prokopowich	1
262-151	46,000	0	0	0	0	7/22	Prokopowich	
	0	0	0	3,000	0	8/31	Prokopowich	5
262-152	0	31,000	-	0	0	8/15	Brennan	
	0	-	35,000	8,300	0	8/31	Prokopowich	4
262-153	0	15,000	20,000	0	0	8/31	Prokopowich	4
262-154	0	0	9,500	0	0	8/17	Brennan	
	0	0	-	50	0	8/31	Prokopowich	4
262-201	0	0	2,400	0	0	8/31	Prokopowich	1
262-202	0	0	1,600	0	0	8/31	Prokopowich	1
262-203	0	0	8,200	200	0	8/31	Prokopowich	3
262-204	0	0	0	0	0	8/31	Prokopowich	2
262-205	0	3,200	0	0	0	8/31	Prokopowich	2
262-207	0	0	0	0	0	8/07	Brennan	1
262-271	0	6,300	-	0	0	8/15	Brennan	
	0	0	20,000	0	0	8/31	Prokopowich	3
262-301	26,000	-	0	500	0	8/05	Brennan	
	-	4,700	0	-	0	8/15	Brennan	4
262-351	5,500	700	0	0	0	8/05	Brennan	1
262-401	0	300	0	0	0	8/31	Prokopowich	2
262-402	0	2,400	0	0	0	8/15	Brennan	4
262-451	0	10,500	3,000	0	0	8/30	Prokopowich	3
262-501	0	4,200	0	0	0	8/15	Brennan	3
262-502	0	200	0	0	0	8/30	Prokopowich	1
262-551	0	13,500	2,000	150	0	8/30	Prokopowich	3
262-602	0	0	7,000	100	0	8/30	Prokopowich	2
262-603	0	250	0	0	0	8/18	Brennan	1
262-604	0	32,300	6,000	0	0	8/18	Brennan	
	0	-	0	10,000	0	8/30	Prokopowich	3
262-605	0	2,200	0	0	0	8/18	Brennan	1
262-606	0	3,600	0	0	0	8/18	Brennan	1
262-651	0	16,700	5,000	1,500	0	8/30	Prokopowich	3
262-652	0	5,000	0	0	0	8/30	Prokopowich	2
262-653	0	5,200	0	0	0	8/30	Prokopowich	2
262-654	0	15,000	6,900	0	0	8/18	Brennan	2
262-655	950	0	0	0	0	8/05	Prokopowich	1
262-656	0	4,100	0	0	0	8/18	Brennan	2
262-701	0	1,300	0	0	0	8/05	Prokopowich	1
262-702	0	7,500	0	0	0	8/30	Prokopowich	3
262-703	0	2,200	4,300	0	0	8/30	Prokopowich	2
262-704	0	7,000	11,000	0	0	8/30	Prokopowich	2
262-705	0	600	0	0	0	8/30	Prokopowich	2
262-751	0	10,200	0	0	0	8/30	Prokopowich	2
262-752	0	7,800	5,000	2,000	0	8/30	Prokopowich	2
262-801	0	1,600	0	0	0	8/30	Prokopowich	1
262-802	0	12,500	0	0	0	8/30	Prokopowich	2
262-851	0	-	20,000	0	0	8/05	Prokopowich	
	0	92,500	0	500	0	8/30	Prokopowich	2
262-852	0	600	0	0	0	8/30	Prokopowich	1
262-853	0	8,800	0	0	0	8/30	Prokopowich	1
262-854	0	4,850	0	0	0	8/30	Prokopowich	1
262-859	0	0	6,200	0	0	8/30	Prokopowich	2
262-861	0	500	0	0	0	8/30	Prokopowich	1
262-951	0	0	10,000	0	0	8/30	Prokopowich	2
262-952	0	10,000	0	0	0	8/30	Prokopowich	2
	78,450	344,930	183,100	26,450	0			109

Appendix P.9. Salmon escapement surveys, Kodiak Management Area, 1994.

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
SELIEF												
251-101	9- 2-1994	PROKOPOWICH	G	F		0	0	0	0			Nothing seen in stream or lower lake. Skiff in bay. Few scattered jumpers, but couldn't see any major concentrations of fish.
MALINA RIVER												
251-105	8- 8-1994	BRENNAN	F	G	P	800	0	24000	0	8000P		Time: 1410. Good distribution of pinks throughout creek. Stream reds right below weir. No count of fish in lake.
251-105	8-11-1994	WEIR COUNT	e	e	e	9042	0	8035	0			Final weir count. Weir in operation 5/28 to 8/11. Count does not include estimate of fish spawning below weir.
251-105	8-12-1994	HONNOLD	G	G		0	0	35000	0			Quick look from lower lake outlet to saltwater. Nothing seen in saltwater.
PARAMANOF BAY												
251-30	7-28-1994	PROKOPOWICH			E	0	0	0	0			Large schools of herring outer portion of bay to Shelikof
LONG LAGOON												
251-301	8-31-1994	PROKOPOWICH	G	G		0	1700	0	0	200Co		Looks good.
THORSHEIM CREEK												
251-302	8-31-1994	PROKOPOWICH	G	G		0	3500	10000	0			Looks good.
SOUTH ARM CREEK												
251-403	7-28-1994	PROKOPOWICH	E	E		0	0	21000	0	30000P		Looks excellent.
EAST ARM CREEK												
251-404	7-28-1994	PROKOPOWICH	E	E		0	0	7000	0	42000P		Looks excellent.
251-404	8- 5-1994	BRENNAN	E	E	E	0	0	8400	0	16500P	53000P	Time: 1225. Good shot of pinks in lower river and mouth. Excellent show in bay.
HIDDEN LAKE CREEK												
251-406	7- 7-1994	WATCHERS	G	G	F	420	0	129	0		1000P	Foot survey.
251-406	8-23-1994	WATCHERS	G	G		0	0	3145	0			Foot survey; no lagoon estimate.
251-406	8-31-1994	WATCHERS	G	G		0	736	0	0	4000Co		Foot survey. Estimated 4000 coho in lagoon.
251-406	8-31-1994	PROKOPOWICH			G	0	0	0	0		5000Co	Good show of coho in bay.
251-406	9-16-1994	WATCHERS	G	G		0	1500	0	0			Foot survey.
BLUEFOX CREEK												
251-502	9- 7-1994	BARRETT	E	G		0	3	1870	0	75Co 40P		3,890 pink carcasses in creek.
ESTER LAGOON CREEK												
251-503	9- 7-1994	BARRETT	E	G		0	0	0	0			Only a trickle of flow in creek.
S.W. REDFOX CREEK												
251-504	8-15-1994	BRENNAN	F	E	G	0	0	1300	0	200Co 500P		Time: 1230. Just a few.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
251-504	9- 7-1994	BARRETT	E	E		0	0	548	0	50P		1,050 pink carcasses; extreme low water.
S.E. REDFOX CREEK 251-505	9- 7-1994	BARRETT	E	E		0	0	325	0	600P 1Ch		Surveyed entire stream: 803 pink carcasses; extreme low water. All live fish in first 1/8 mile.
CROSSFOX CREEK 251-506	9- 7-1994	BARRETT	E	E		1	0	270	0	1500Co 900P		1,700 pink carcasses in stream; extreme low water. 80 pink carcasses at mouth.
POOR CREEK 251-508	8- 5-1994	BRENNAN	E	E	E	0	0	2000	0	25000P		Time: 1245. Huge ball of fish at stream mouth.
FRENCH'S CREEK 251-509	8- 5-1994	BRENNAN	E	E	E	0	0	0	0	500P		Time: 1240. Good bunch of fish in lagoon.
HANDER CREEK 251-510	8-15-1994	BRENNAN	F	E	G	0	0	0	0	100Co 500P	1000Co	Time: 1235. Looked quiet.
BIG BAY CREEK 251-601	9- 7-1994	BARRETT		G		0	0	0	0	2000Co 300P		No stream survey.
251-601	9-30-1994	WEIR COUNT	e	e	e	27	3960	2065	0			Final weir count. Weir in operation 8/7 to 9/30. Count includes estimate of fish behind weir when pulled.
BLUEBERRY CREEK 251-603	9- 8-1994	BARRETT		G		0	0	0	0	1000Co 100P		
CARRY BEAR CREEK 251-705	9- 8-1994	BARRETT	E	E	G	0	0	300	0	350Co 200P	1000Co	A total of 1,110 pink carcasses in stream; extreme low water. Approximately 1,000 coho at the head of the bay.
BIG WATERFALL 251-821	8- 8-1994	BRENNAN	G	G	F	0	0	0	0	500P	6400P	Time: 1405. 5 schools on beach to east, nothing on west and north side.
251-821	8-15-1994	BRENNAN	F	E	G	0	0	500	0	17000P		Time: 1225. Good shot of fish at mouth and in flats. No show further outside.
LITTLE WATERFALL 251-822	6-21-1994	KANSTEINER	G	G		0	0	0	0	550R		Foot Survey.
251-822	8- 8-1994	BRENNAN		G	G	0	0	0	0	3000P	1700P	Time: 1400. Ball of fish up at stream mouth and 8 schools on outside. No stream survey.
251-822	8-12-1994	KANSTEINER	G	G		0	0	22824	0			Foot Survey; no lagoon estimate.
251-822	8-15-1994	BRENNAN	F	E	E	0	0	6000	0	2500P		Time: 1220. Poor show. Where's the fish??
251-822	8-18-1994	KANSTEINER	G	G		192	0	0	0			Foot Survey. Jacks.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
PORTAGE CREEK												
251-825	8- 8-1994	BRENNAN	F	F	P	3500	0	620	0	500Co 5600P		Time: 1350. Looks really weak. Cloudy, so poor look at outside lagoon/bay.
251-825	8-15-1994	BRENNAN	E	F	F	0	0	2950	0	200Co 6000P	1000Co	Time: 1210. Looks kind of poor. Only about 1,700 at lake outlet and 1,200 scattered in river. Some fish balled up in lagoon.
251-825	8-25-1994	KANSTEINER	G	G		3398	16	416	0	400Co		FOOT SURVEY. 2,666 reds in east creek and pinks, coho and 732 reds in west creek.
251-825	8-31-1994	PROKOPOWICH	E	E		0	0	14500	0	8000Co		Minimum estimate for coho at mouth. Lots of sport effort at mouth - several planes.
BEAN CREEK												
251-827	8- 8-1994	BRENNAN				0	0	1400	0			Time: 1340.
251-827	8-15-1994	BRENNAN	E	E	E	0	0	500	0	1500P		Time: 1205. Most fish in lagoon - not real fishy.
PAUL'S BAY												
251-831	8- 8-1994	BRENNAN	G	G	G	0	0	0	0	1000Co 5600P		Time: 1330. Not a whole lot of action.
251-831	8-15-1994	BRENNAN	F	G	G	0	0	3000	0	500Co 4000P	2000Co 3000P	Time: 1200. Two charter boats and 3 skiffs. Good show of jumpers.
251-831	9- 6-1994	WEIR COUNT	e	e	e	16100	12538	7002	28			Final weir count. Weir in operation 6/7 to 9/6.
SEAL BAY CREEK												
251-901	8- 8-1994	BRENNAN	F	F	G	0	0	4500	0	5000P		Time: 1325. One cloud hanging over mouth, so not a good look.
251-901	8-15-1994	BRENNAN	E	E	G	0	0	7000	0	4000P		Time: 1150.
SOUTH CREEK												
251-902	8- 8-1994	BRENNAN	E	E	G	0	0	0	0	2700P		Time: 1320.
251-902	8-15-1994	BRENNAN	E	E	G	0	0	0	0	3000P		Time: 1155.
GRASSY LAGOON CREEK												
252-302	8- 8-1994	BRENNAN	F	E	G	0	0	0	0			Time: 1300.
252-302	8-15-1994	BRENNAN	E	E	E	0	0	50	0	400P		Time: 1140.
252-302	8-19-1994	BOUWENS	E	E		0	0	0	0	25Co 400P		No sign of fish up creek - walked 200 yards.
SAPOSA BAY												
252-306	7-28-1994	PROKOPOWICH		E		0	0	0	0	300P		
252-306	8- 8-1994	BRENNAN	F	E	G	0	0	0	0		9000P	Time: 1310.
252-306	8-15-1994	BRENNAN	F	E	G	0	0	0	0	2500P		Time: 1147.
252-306	8-19-1994	BOUWENS	E	E		0	0	372	0	400P		Walked 1/4 mile. 120 morts.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
RUTH BAY												
252-307	8- 8-1994	BRENNAN	E	E	G	0	0	0	0		7000P	Time: 1255. Several balls of fish in mid bay.
LEFT HAND BAY												
252-309	8- 8-1994	BRENNAN	F	E	G	0	0	0	0			Time: 1305. Really dead.
252-309	8-15-1994	BRENNAN	E	E	E	0	0	0	0	700P		Time: 1145.
252-309	8-19-1994	BOUWENS	E	E		0	0	0	0	10Co 25P		Walked 200 yards up creek. Algae thick on creek. No sign of fish ever being up creek.
KITOI BAY												
252-32	7-28-1994	PROKOPOWICH			E	0	0	0	0		75000P	Estimated additional 35,000 fish - mostly chum inside net at hatchery. Good show incoming fish at Jaws.
252-32	8- 8-1994	BRENNAN		E	E	0	0	0	0	400Co 17000P	309000P	Time: 1250. No stream survey, just good look at buildups inside. Water too turbid to see out by cape but 37K by jaws and lots of small and big schools throughout bay; 65K by Little Kitoi, and 48K outside net. "Mouth" fish estimate of pinks inside net.
252-32	8- 9-1994	PROKOPOWICH	E	E		0	0	0	0			Estimated 30,000 fish inside net plus additional 150,000 fish total inside "Jaws".
252-32	8-15-1994	BRENNAN		G	G	0	0	0	0		19000P	Time: 1130. Quick survey of bay. Most fish inside net but few schools remaining inside jaws - nothing seen outside.
LITTLE KITOI												
252-323	8-29-1994	JOYCE	E	G		2402	0	311	0	1000P		Final weir count. Mouth fish were pinks spawning below weir when it was pulled.
BIG KITOI												
252-324	8-29-1994	JOYCE	E			0	2560	16000	5500			Estimate of fish which escaped the egg take.
DANGER BAY												
252-33	8-19-1994	BOUWENS			G	0	0	0	0		300P	
N.E. DANGER CREEK												
252-331	8-19-1994	BOUWENS	E	E		0	0	3000	0	2000P		Walked up to road. Fish slowed down past there. Plus 220 morts.
252-331	8-31-1994	PROKOPOWICH	G	G		0	600	0	0			Coho at mouth. Several skiffs sport fishing.
BIG DANGER												
252-332	8- 5-1994	BRENNAN	E	E	G	0	0	14000	0	2000P	16000P	Time: 1215. In East Fork 1,500; in West Fork 5,500, rest from forks down. Bay fish in deep water on north side of bay.
OLD BEAVER CREEK												
252-334	8-19-1994	BOUWENS	E	E		0	0	400	0	1Co 300P		Walked about 1/4 mile. 37 morts.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
AFOGNAK RIVER												
252-342	9- 2-1994	PROKOPOWICH	G	G		0	0	0	0	6000Co 44000P		Fish below weir, low water.
252-342	9-17-1994	WEIR COUNT	e	e	e	80570	11965	49756	8			Final weir count. Weir in operation 5/27 to 9/17. Count includes estimate of fish behind weir when pulled. Also 5 chinook counted through weir.
MARKA BAY												
252-343	7-28-1994	PROKOPOWICH	E	E		0	0	105000	0	13000P		Mouth fish are inside markers. Excellent escapement - fish distributed to upper reaches.
252-343	8-15-1994	BRENNAN	E	E	E	0	0	63600	0	7000P	6000P	Time: 1120. Fish well distributed throughout creek. Plus 20,000 carcasses.
252-343	8-19-1994	BOUWENS		E	E	0	0	0	0	500Co 200P		No stream survey.
252-343	8-31-1994	PROKOPOWICH	G	G		0	600	0	0	200Co		Stream fish in lagoon. One tent camp.
252-343	9- 2-1994	PROKOPOWICH	G	G		0	1200	0	0	300Co		Coho in lagoon. 8 skiffs with sport fishermen.
LITTLE RIVER												
253-115	6-29-1994	PROKOPOWICH	P			0	0	0	0			No estimates of fish, lake very muddy, poor visibility.
253-115	7-28-1994	PROKOPOWICH	G	G		0	0	35000	0	15000P		Most fish in lower end of river. Lake still too muddy to get estimate on reds.
253-115	8- 5-1994	HANDER	F			1500	0	0	0			1131 HRS. Reds were at the east end of lake and a few into the tributaries. Lake was very muddy, did not survey below lake.
253-115	8- 5-1994	BRENNAN	F	F	P	1700	0	18000	0	20000P		Time: 1525. Overcast, so not great look. Nothing in upper river. Poor look at reds in lake; very muddy.
253-115	8- 8-1994	PROKOPOWICH	G	G	G	0	0	130000	0	20000P	55000P	Looks excellent. Lake still muddy.
253-115	8-12-1994	BRENNAN	E	E	G	4200	0	113000	0	39000P	1500P	Time: 1225. Few fish in upper river, most in lower 5 miles. Heavy fish in lagoon.
253-115	10-18-1994	JOHNSON	P			0	40	0	0			1158 HRS. Stream flow good, lake turbid and flat light in river. Fish were all at outlet of lake.
S. ARM UGANIK												
253-121	7-27-1994	PROKOPOWICH			E	0	0	0	0		6000P	Lots of small schools of pinks in bay. No survey of stream.
253-121	7-27-1994	BRENNAN	P	G	F	0	0	0	0		55000P	Time: 1450. Quick fly over of creek...poor look. Lots of little schools in outer 1/3 of bay.
253-121	8- 8-1994	HANDER	G	G		0	0	400	0	2500P		1550 HRS. Good stream flow, very high tide. Pinks were at immediaate stream mouth. Made brief stop at mouth and confirmed species I.D.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
253-121	8-12-1994	BRENNAN	G	E	G	0	0	2500	0		12000P	Time: 1410. Bay fish in scattered schools in other part of bay; may be headed to Uganik River.
253-121	8-19-1994	HANDER	G	G		0	0	300	0	200P		Time: 1309 hrs. Good stream flow, flew entire stream. No show of fish on the outside of the lagoon.
UGANIK RIVER												
253-122	6-29-1994	PROKOPOWICH	P			3500	0	0	0			Reds at inlet to lake. Very poor visibility - muddy.
253-122	7-27-1994	PROKOPOWICH	P		G	0	0	0	1000			River murky, only a couple of jumpers in bay.
253-122	7-27-1994	BRENNAN	P	P	P	0	0	0	0		4000P	Time: 1505. Water too muddy to survey creek. Few fish showing.
253-122	8- 5-1994	BRENNAN	P	P	P	0	0	29000	5000			Time: 1540. Poor look. Nothing visible on flats or in mouth - water muddy. Large school of pinks in lake near outlet (15,000).
253-122	8- 5-1994	HANDER	G	G		5200	0	13000	0			1102 HRS. Reds were above lake and pinks were mostly below the weir site. Good stream flow. Did not survey the lake.
253-122	8- 8-1994	PROKOPOWICH	G			0	0	67000	0			No buildup in bay seen. Few new fish moving into bay.
253-122	8-11-1994	PROKOPOWICH	G	G		0	0	111000	0	15000P		Surveyed from lake to bay.
253-122	8-12-1994	BRENNAN	G			15000	0	30000	0			Time: 1400. No stream, mouth, or bay survey. Only looked at lake. Scattered schools throughout lower lake.
253-122	8-13-1994	PROKOPOWICH	E	E		17500	0	126500	0	7000P	106000P	Reds mixed with pinks in lake. First good build up and show in bay. Fish along northeast side of bay from spit in. Good show of incoming fish along spit.
253-122	8-18-1994	BRENNAN	G	F	F	21500	0	179000	10000			Time: 1630. Lots of fish in lake - estimated 4,500 reds in upper stream and 17,000 reds in lake at inlet stream (very murky). Main river looks plugged.
253-122	8-19-1994	HANDER	G	P		22600	0	143000	8000			Time: 1237 hrs. Good stream flow, flew entire system. 7,600 reds above lake and approximately 15,000 at lake inlet. Good distribution of reds spawning in upper river, all pinks amd chums below lake outlet.
253-122	8-30-1994	PROKOPOWICH	E	E		10000	0	120000	0			Pink count does not include 55,000 morts. Reds at inlet stream to lake.
253-122	9-30-1994	JOHNSON	E			4000	400	0	0			1118 HRS. Surveyed upper river. Excellent visibility. Mostly sockeye in upper river. Lake and lower river murky - visibility fair to poor. Water flow in upper river fair. All coho seen were in lower part of lower river.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
253-122	10-17-1994	JOHNSON	G			0	3100	0	0			1624 HRS. Stream flow good. Surveyed both forks of upper river only. Lake turbid, lower river turbid. No survey.
COHO CREEK												
253-313	9- 2-1994	PROKOPOWICH	G			0	0	500	0			Plus 1000 morts.
VIEKODA CREEK												
253-321	9- 2-1994	PROKOPOWICH	G			0	0	800	0			Fish in lower end of creek.
TERROR RIVER												
253-331	7-27-1994	PROKOPOWICH	G			0	0	15000	4000			Poor visibility in bay.
253-331	8- 5-1994	HANDER	G	P		0	0	10600	3000	10000P		1048 HRS. 10,000 pinks off mouth is rough estimate due to poor visibility. Good stream flow. Entire river surveyed.
253-331	8- 8-1994	PROKOPOWICH	G	G		0	0	27000	2000	19000P		Doesn't look very strong.
253-331	8-11-1994	PROKOPOWICH	P	P		0	0	16500	0	2000P		Light conditions were poor.
253-331	8-12-1994	BRENNAN	G	F	G	0	0	12000	3700	38000P 2000Ch	10000P	Time: 1420. Chums scattered way up river. Pinks down in lower river and intertidal. Good show out on flats in main channel. Plus scattered schools just off edge.
253-331	8-13-1994	PROKOPOWICH	E	E		0	0	34000	0	46500P		Very good visibility. No sign of any new fish moving into bay.
253-331	8-18-1994	BRENNAN				0	0	18000	3000	35000P	5000P	Time: 1645.
253-331	8-19-1994	HANDER	G	G		0	0	210000	1500	35000P 1000Ch		Time: 1220 hrs. Good stream flow, flew entire system.
253-331	8-31-1994	PROKOPOWICH	G			0	0	49000	5000			Additional 10,000 pink morts in river.
253-331	10-18-1994	JOHNSON	G			0	350	0	0			1138 HRS. Stream flow good. Surveyed lower 4 miles.
BAUMANN'S												
253-332	7-27-1994	BRENNAN	G	G	F	0	0	11500	0			Time: 1520. No show at mouth or in bay.
253-332	8- 8-1994	PROKOPOWICH	G			0	0	24000	0			Most fish in lower end.
253-332	8-12-1994	BRENNAN	E	E	G	0	0	14500	0			Time: 1435. Fish in stream are looking pretty old. Not many bright new fish in stream or at mouth. Looks like up to 15,000 fish just off edge but not sure if it's salmon. Plus 5,000 carcasses.
253-332	8-18-1994	BRENNAN	G	E	G	0	0	6000	0	10000P		Time: 1655. Plus 10,000 carcasses.
CLARA'S CREEK												
253-333	8-12-1994	BRENNAN	E	E	G	0	0	1500	0			Time: 1430.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
UYAK RIVER												
254-202	7-27-1994	PROKOPOWICH	E			0	0	13000	1500			Very little seen in bay. 2 seiners working markers.
254-202	7-27-1994	BRENNAN	F	G	G	0	0	4200	0	1000P	500P	Time: 1410. Bay fish way out towards Amook - not much showing in bay. Surveyed only lower 2 miles.
254-202	8- 5-1994	HANDER	G	F	F	0	0	16000	2000		60000P	1240 HRS. Good stream flow. Surveyed entire stream. Approximately 60,000 pinks scattered between E. and S. Uyak River.
254-202	8- 8-1994	PROKOPOWICH	E	G		0	0	6500	1000	27500P		Looks weak.
254-202	8-11-1994	PROKOPOWICH	G	G		0	0	27500	0	55000P	7500P	Looks better. 1,500 of the bay fish by Nellie's Cove.
254-202	8-13-1994	PROKOPOWICH	E	E		0	0	28000	0	55000P		Looks about the same as last time.
254-202	8-18-1994	BRENNAN	E	G	F	0	0	63300	8000	5000P		Time: 1515. Only 8 to 10 thousand in upper river, most in lower river and near mouth. Not many chums in sloughs, most in upper river.
254-202	8-19-1994	HANDER	G	G		0	0	23000	0	80000P		Time: 1457 hrs. Moderate stream flow. Surveyed entire system. Pinks off mouth were lined up along south shore for about 1/2 mile.
254-202	9- 2-1994	JOHNSON	G	G		0	1500	41000	5500			1226 hrs. Surveyed entire stream. Flow poor, dry spots upstream.
254-202	10-17-1994	JOHNSON	E			0	2000	0	0			1154 HRS. Stream flow good. Surveyed entire river.
EAST UYAK CREEK												
254-203	7-27-1994	BRENNAN		F	G	0	0	0	0		500P	Time: 1420. No stream survey.
254-203	8- 5-1994	HANDER	F	F	F	0	0	1100	0	1000P		1225 HRS. Good stream flow. Surveyed entire stream.
254-203	8- 8-1994	PROKOPOWICH	E			0	0	600	0			Only surveyed lower end of stream.
254-203	8-18-1994	BRENNAN	E	G	F	0	0	11000	1600	3500P		Time: 1530. Chums in sloughs.
254-203	8-19-1994	HANDER	G	G		0	0	6000	0	1000P 1000Ch		Time: 1447 hrs. Good stream flow. Surveyed entire system. Pinks distributed in lower half of stream.
BROWN'S LAGOON												
254-204	7-27-1994	PROKOPOWICH	E	E		0	0	68000	0	17000P		Looks very strong. Fish at mouth are in lagoon.
254-204	8- 5-1994	HANDER	G	G		0	0	65000	0	120000P		1225 HRS. Good stream flow. Surveyed from falls to mouth.
254-204	8- 8-1994	PROKOPOWICH	E			0	0	85000	0			Looks excellent.
254-204	8-11-1994	PROKOPOWICH	E	E		0	0	118000	0	17000P		Looks better than it needs to be.
254-204	8-12-1994	BRENNAN	E	E	E	0	0	111000	0	12000P	15000P	Time: 1305. Amazing show of fish. Still bright fish. Fish on outside. Plus 10,000 carcasses.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
LONG CREEK												
254-207	8-18-1994	BRENNAN	F	F	F	0	0	500	0	1500P		Time: 1545.
ZACHAR RIVER												
254-301	7-27-1994	BRENNAN		F	F	0	0	0	0	500P 100Ch	5500P 6000Ch	Time: 1430. No stream survey. Bay fish from cannery out along both sides.
254-301	7-27-1994	PROKOPOWICH	G	G		0	0	1000	12800	4000P 4000Ch		Surveyed river from Brown's Lagoon Pass to saltwater.
254-301	8- 5-1994	HANDER	P	P		0	0	0	300	3300Ch		1202 HRS. River still too turbid to get entire stream surveyed.
254-301	8- 8-1994	HANDER	G	G		0	0	12000	3000			1500 HRS. Good stream flow. Surveyed entire system. Pinks and chums scattered throughout the system. Lots of Dolly Varden (10,000).
254-301	8- 8-1994	PROKOPOWICH	G			0	0	47000	0			Surveyed Browns Lagoon pass to mouth. Nothing seen in bay.
254-301	8-11-1994	PROKOPOWICH	G	G	G	0	0	55000	0	18000P	40000P	Looks much better. Bay fish located toward north side of bay.
254-301	8-12-1994	BRENNAN	E	E	G	0	0	48000	9800	16000P 2000Ch	8000P	Time: 1320. Most pinks in lower river and intertidal area.
254-301	8-18-1994	BRENNAN	F	F	P	0	0	64000	6000	10000P		Time: 1600. Fair show of chums upriver. Only 17K pinks scattered upriver, most in lower river and near mouth. Nothing showing outside.
254-301	8-19-1994	HANDER	G	F		0	0	50000	2300			Time: 1420 hrs. Moderate stream flow. Surveyed entire system. Pinks concentrated in the lower river.
254-301	9- 2-1994	JOHNSON	E	G		0	1200	11500	3000			1200 hrs. Surveyed entire stream. Flow fair. Most coho in lower 1 - 2 miles.
254-301	9-30-1994	JOHNSON	G			0	5300	0	0			1230 HRS. Surveyed upstream to forks. Lots of Dollies. Stream flow fair. Two bears on stream.
254-301	10-18-1994	JOHNSON	E			0	6800	0	0			1302 HRS. Surveyed entire stream. Flow good. Fish above forks on south fork. Fish spread out on grounds.
N.E. ZACHAR CREEK												
254-302	8-12-1994	BRENNAN	E	G	F	0	0	5000	500	1500P		Time: 1335.
254-302	8-18-1994	BRENNAN	F	F	P	0	0	3500	0			Time: 1615.
254-302	8-19-1994	HANDER	P	P		0	0	0	0	500P		Time: 1417 hrs. Good stream flow. Surveyed mouth area only.
SPIRIDON RIVER												
254-401	7-27-1994	PROKOPOWICH	P	P		0	0	0	20			Water muddy. Nothing seen in bay.
254-401	8- 5-1994	HANDER	P	P		0	0	0	0			1145 HRS. River too turbid to get any counts. Looked at side streams and they were also very turbid.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
254-401	8- 8-1994	HANDER	F			0	0	1000	3000			1528 HRS. Good stream flow and best visibility so far this year. Side streams and clear tributaries were where we saw most all fish.
254-401	8- 8-1994	PROKOPOWICH	P	F		0	0	0	0	1500Ch		Water murky still. Only a few fish seen toward Weasel Cove.
254-401	8-12-1994	BRENNAN	P	P	F	0	0	0	0		8000P	Time: 1345. River and flats too turbid and murky to see fish. Two small schools in Weasel Cove.
254-401	8-19-1994	HANDER	G	P		20	0	7000	3000			Time: 1318 hrs. Moderate to good stream flow. Surveyed entire system, chums seen in upper river clear side tributaries.
254-401	8-31-1994	BARRETT/CHATTO	E			375	0	12800	10300			1400 HRS. Joint survey with USFWS. Surveyed entire stream by helicopter, including Munsey's Lake. All reds in Munsey's Lake and index area for chums (BB - Munsey Lake had 300 sockeye; 90% of the chums in northwest tributary). General feeling there were more pinks than what was counted. Lots of pink carcasses in Munsey tributary.
254-401	9-30-1994	JOHNSON	G			100	2900	0	0			1200 HRS. Surveyed entire river from index area to bay. Good survey conditions. All sockeye in Munsey's Lake. Water flow fair. Lots of Dollies.
254-401	10-18-1994	JOHNSON	E			0	4800	0	0			1223 HRS. Surveyed entire stream to cascades above lagoon. 100 coho in Munsey's Lake. Excellent conditions - good survey.
TELROD COVE												
254-403	7-27-1994	PROKOPOWICH		G		0	0	0	0			Nothing seen.
254-403	8- 5-1994	HANDER	F	F		0	0	0	0	200R		1140 HRS. Saw a few red trying to jump the falls.
254-403	8- 5-1994	HONNOLD	G	G		300	0	0	0	1000R 100P		Foot Survey.
254-403	8- 8-1994	PROKOPOWICH		G		0	0	0	0	4800R 500P		Fish in cove.
254-403	8-23-1994	HONNOLD	G	G		3500	0	0	0	1000R		Foot Survey.
254-403	9- 6-1994	HONNOLD	G			2200	0	475	0			Foot Survey.
254-403	9-30-1994	JOHNSON	F			3000	0	0	0			1228 HRS. Quick look from cove to falls. Did not see any fish jumping at the falls. Not much in cove. One bear 0.25 miles upstream.
254-403	10-18-1994	JOHNSON	P			0	0	0	0			1217 HRS. Quick look at creek from falls to cove. No fish seen, water high at falls.
KARLUK RIVER												
255-101	7-28-1994	PROKOPOWICH		G		0	0	0	0			Estimate 58,000 fish in lagoon below weir, of which 1/2 look like pinks.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
255-101	8- 5-1994	PROKOPOWICH		G		0	0	0	0			Estimate 86,000 total fish in lagoon of which 1/2 pinks, 1/2 reds.
255-101	8-12-1994	BRENNAN	F	F	F	0	0	155000	0	500R 1500P		Time: 1245. Lagoon survey only. Didn't look real fishy. About 35,000 fresh fish at Indian Point, remainder in upper lagoon. Fresh reds at mouth and jumpers on outside of spit.
255-101	8-16-1994	PROKOPOWICH	G	G		150000	0	150000	0	13000R		Pinks still look weak. Fish in lagoon below weir. Initial sockeye build ups are looking good.
255-101	8-25-1994	PROKOPOWICH	E	E		237500	0	100000	0	2000R		Fish in lagoon below weir.
255-101	8-30-1994	PROKOPOWICH	G	G		92000	0	0	0	11000R		Stream fish in lagoon. It looks like some fish have backed out of lagoon.
255-101	9- 7-1994	PROKOPOWICH	G			175000	0	0	0	2000R		Fish in lagoon below weir. No estimate on coho. Very little show on outside.
255-101	9-22-1994	PROKOPOWICH	F	F		12500	5000	0	0	1200R		Very little showing in lagoon. Overall visibility only fair. What fish were showing were in upper lagoon. Most sport effort above barrel to Grassy Island.
255-101	9-24-1994	WEIR COUNT	E	E		848029	23263	438991	135			Final weir count. Weir in operation 5/10 to 9/24. Count includes estimate of fish remaining behind weir and in lagoon when weir pulled. Plus 12,049 chinook counted through weir.
RED RIVER 256-201	6-29-1994	PROKOPOWICH	G	G		4500	0	0	0	2000R		Stream fish in lagoon below weir. Very little show off mouth. Couple of jumpers to south of mouth.
256-201	8- 5-1994	PROKOPOWICH	G	G		0	0	0	0	125000P		Looks good at mouth, although fishing looks slow at reef line to mouth.
256-201	9- 7-1994	WEIR COUNT	E	E		380181	33658	195449	103			Final weir count. Weir in operation 5/21 to 9/7. Count includes estimate of fish behind the weir when pulled. Plus 9,138 chinook counted through weir.
256-201	9-30-1994	JOHNSON	F	F		0	8400	0	0			1348 HRS. Surveyed from lagoon upstream to junction of east fork, east fork and up to Red Lake. 80% of fish from junction of Red Lake Creek down to Bare Creek. No coho in Red Lake Creek. 1 bear on Red River.
256-201	10-17-1994	JOHNSON	F			0	18600	0	0			1421 HRS. Stream flow good. Water high on main stem. Surveyed east fork, Red River, Silver Salmon, Bare Creek up to junction and Bare Lake. 6,200 fish in east fork. 10 fish in Bare Lake.
OLD RED RIVER 256-202	6-29-1994	PROKOPOWICH			E	0	0	0	0			Very large concentrations of herring offshore from Old Red River.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
CARAMEL CREEK												
256-301	9- 2-1994	JOHNSON	P	P	G	0	100	6200	0			1431 hrs. Visibility in lagoon good - few fish. Stream mouth and creek flow fair but visibility poor.
HALIBUT BAY												
256-302	9- 2-1994	JOHNSON	E	G		0	1100	1000	0			1426 hrs. Surveyed entire stream and lagoon area only. 50% lagoon area dry.
GRANT'S LAGOON CREEK												
256-303	9- 2-1994	JOHNSON				0	0	0	0			1420 hrs. Over flew lagoon - no fish. Lagoon blocked off from ocean - no access.
STURGEON RIVER												
256-401	6-22-1994	BARNES	F	P	P	0	0	0	290		1000Ch	1752 HOURS. Surveyed entire river and lagoon. Visibility in lagoon poor. 1000 chums in west channel, some jumpers. All fish in river located in lower three miles.
256-401	6-29-1994	PROKOPOWICH	E	E	E	0	0	0	10000	70000Ch		Only 100 chums upper reaches of stream, most in lower end. Excellent buildup in lagoon, best it's looked in years. No estimate off mouth, but good show of scatterted schools 20-50 fish each in kelp.
256-401	8- 5-1994	HANDER	F	P		0	0	0	2400	200Ch		1402 HRS. Good stream flow. Visibility below the forks was poor and fair above. Surveyed entire stream and lagoon.
256-401	8- 8-1994	HANDER	G	F		0	0	0	3000	2000P		1305 HRS. Good stream flow. Surveyed entire system. Visibility below main fork was fair. Most fish seen in small groups in the mid river meander area. Jumpers seen in upper lagoon but too muddy to tell specie and numbers of fish.
256-401	8-16-1994	PROKOPOWICH	G	G		0	0	0	5000	5000P		
256-401	8-18-1994	BRENNAN	E	F	F	0	0	6500	500	100Co 2000P 100Ch		Time: 1405. Flew way up in valley. Not much in upper reaches.
256-401	9- 2-1994	JOHNSON	E	G	G	0	300	2400	0		600Co	1346 hrs. Surveyed entire stream - flow fair.
256-401	9-30-1994	JOHNSON	G	E		0	1950	0	0			1316 HRS. Surveyed entire river. Flow good. Most fish from forks downstream to 1 mile above lagoon. Nothing in lagoon.
EAST STURGEON RIVER												
256-402	6-22-1994	BARNES	G	F		0	0	0	100			1739 HOURS. Surveyed entire river and lagoon. Visibility in lagoon off mouth fair; no jumpers seen.
256-402	8- 5-1994	HANDER				0	0	0	2300			1422 HRS. Good stream flow. Surveyed upper river only and lagoon. No show of fish in lagoon.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
256-402	8-16-1994	PROKOPOWICH	G	G		0	0	5500	0	500P		
256-402	8-18-1994	BRENNAN	E	F	F	0	0	450	0			Time: 1350. Fair look, but not much seen.
256-402	9- 2-1994	JOHNSON	E	G		0	0	200	0			1415 hrs. Surveyed lagoon portion of east fork and first 1/2 mile of stream.
BIG SUKHOI												
257-102	7-27-1994	PROKOPOWICH	G	F		0	0	0	9800	1000Ch		Visibility in lagoon only fair. Stream count includes 600 chums in west fork of stream.
257-102	8- 5-1994	HANDER	G	G		0	0	0	3400	1500Ch		1456 HRS. Good stream flow. Surveyed entire stream and immediate mouth area of lagoon.
257-102	9- 2-1994	JOHNSON	G	F		0	0	3900	0	10P		1507 hrs. Surveyed entire system but not outer lagoon. Flow fair.
257-102	10-17-1994	JOHNSON	G			0	1100	0	0			1300 HRS. Stream flow good. Surveyed entire river.
OLGA BAY												
257-30	8-13-1994	PROKOPOWICH			E	0	0	0	0			Estimated 20,000 reds off of Upper Station. Fair show of traveling reds by Stormy Point, scattered jumpers toward Stockholm Point.
AKALURA CREEK												
257-302	8- 8-1994	HANDER	P	F		200	0	0	0	2500R		1248 HRS. Surveyed east and west tributaries and saw no fish. Good visibility in tributaries. 2,500 sockeye (mouth) were in lagoon, 200 sockeye in stream were just above weir.
257-302	9- 6-1994	WEIR COUNT	E	E	E	13681	1785	48799	0			Final weir count. Weir in operation 6/6 to 9/6. Count includes estimate of fish behind weir when pulled.
SILVER SALMON CREEK												
257-303	8- 5-1994	HANDER	G	F		2400	0	0	0			1445 HRS. Good stream flow. Surveyed north end of lake and tributaries between lake and lagoon. 1,200 reds of 2,400 reds in north end tributaries.
257-303	8-19-1994	HANDER	G	G		800	600	0	0	200Co		Time: 1551 hrs. Good stream flow. Surveyed entire system. Good distribution of sockeye in stream above lake.
257-303	9- 1-1994	KURISCAK	G	G		1	0	790	0	800Co		Foot survey.
257-303	9- 2-1994	JOHNSON	P	F		758	0	0	0	300Co 100P		1451 hrs. Surveyed entire system. Flow into lake fair. All sockeye in upper lake and tributary. Coho and pink in lagoon.
UPPER STATION												
257-304	7- 7-1994	PROKOPOWICH		G		0	0	0	0	1000R		Very little showing at mouth.
257-304	7-27-1994	PROKOPOWICH			E	0	0	0	0		1200R	Good visibility, very little showing.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
257-304	8- 5-1994	PROKOPOWICH		G		0	0	0	0	22000R		Estimate 16,000 at mouth plus 6,000 along beach to west.
257-304	9-10-1994	WEIR COUNT	E	E	E	259320	4836	14000	2			Final weir count. Weir in operation 5/30 to 9/10. Count includes estimste of fish behind weir when pulled. Plus 6 chinook counted through weir.
LITTLE DOG SALMON												
257-305	8-11-1994	KURISCAK		G		0	0	0	0			No stream survey, checked creek mouth only.
257-305	9- 2-1994	STONE	G	F		0	0	66	16			Foot survey. 1 chum and 3 pink carcasses. Water level not too bad. Lots of log jams. Some jams inhibited fish from going upstream. Walked creek one mile.
NARROWS CREEK												
257-401	8-12-1994	KURISCAK		G		0	0	0	0	3000P		No stream survey, checked creek mouth only.
257-401	8-31-1994	KURISCAK	G	G		0	0	6000	1750	1000P 250Ch		Foot survey. 92 pinks and 18 chum carcasses in creek. Walked stream 1-1/2 miles. Water level low - lots of alder in creek, but fish still able to get through. Lots of sloughs along creek for chums spawning.
HORSE MARINE												
257-402	7-27-1994	PROKOPOWICH	G			1200	0	0	0			Reds in lake north side to inlet stream.
257-402	8- 5-1994	HANDER	G	G		2100	0	0	0			1512 HRS. Good stream flow. Surveyed from mouth to lake and all the lake. Most reds by main lake tributary.
257-402	8-13-1994	PROKOPOWICH	G			500	0	0	0			Partial survey of lake. Reds at inlet stream at northwest end of lake.
257-402	8-19-1994	HANDER	G	G		800	0	0	0	2500Co		Time: 1533 hrs. Good stream flow. Surveyed entire system. 200 coho at mouth of stream, 2,000 in lagoon, 300 off mouth of lagoon.
257-402	9- 2-1994	KURISCAK	G	G		8	3000	1787	2078			Foot survey. Horse Marine Creek and Horse Marine Lagoon combined in above figures. 78 pink and 17 coho carcasses in creek. Water level at lower falls O.K.. Water level at upper falls low - no fish able to make it up upper falls. Water level in creek very low.
257-402	9- 2-1994	JOHNSON	F	P		2500	0	0	0	6000Co		1522 hrs. Surveyed entire system. Flow fair, lake level O.K. All sockeye in lakeshore areas, all coho in lagoon.
257-402	10-17-1994	JOHNSON	G			0	800	0	0			1248 HRS. Stream flow good. Surveyed north side lake shore outlet and stream to lagoon. 300 coho in lake outlet/500 in stream above falls.
DOG SALMON												
257-403	7- 7-1994	PROKOPOWICH	G	G	G	8000	0	0	0	21000R	3500R	Stream fish - West fork 2,000, East fork 6,000, flats 21,000 total, plus 3,500 at Iverson's Cove.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
257-403	7-27-1994	PROKOPOWICH	G			8750	0	3750	0			5,000 reds west fork. East fork 7,500 fish, of which 1/2 reds, 1/2 pinks.
257-403	8-13-1994	PROKOPOWICH		E		0	0	0	0	25000P		Estimate of pinks on flats.
257-403	9- 5-1994	WEIR COUNT	E	E	E	240913	4944	82903	4274			Final weir count. Weir in operation 6/1 to 9/5. Count includes estimate of fish behind weir when pulled. Plus 385 chinook counted through weir.
257-403	10-17-1994	JOHNSON	E			0	2100	0	0			1318 HRS. Stream flow good. Surveyed from lower falls to fish pass and east fork.
TALIFSON'S CREEK												
257-404	8-28-1994	STONE	G			0	0	1459	7			Foot survey. 20 pink carcasses in creek. Water level low, but deep pools. Lots of log jams but fish are able to get through. Walked 1 1/2 miles.
DEADMAN RIVER												
257-502	7-30-1994	PROKOPOWICH	E		P	0	0	6500	1000			East fork 4,500 pinks. West fork 2,000 pinks. Poor visibility in bay.
257-502	8- 5-1994	HANDER	G	G		0	0	15000	0			1525 HRS. Good stream flow. Surveyed entire stream. No show off immediate mouth area.
257-502	8- 8-1994	PROKOPOWICH	E	E		0	0	23000	2000	20000P		West fork: 15,500 pinks, East fork: 7,500 pinks.
257-502	8-13-1994	PROKOPOWICH	E	E	E	0	0	20000	0	110000P	3000P	Looks good. Bay fish toward Alpine Cove. Fish at mouth spread out on flats.
257-502	8-16-1994	BRENNAN	E	E	G	0	0	51500	7500	27000P 3000Ch	71000P	Timea: 1600. Lots of fish in bay, in river mouth, and distributed in both forks. 28,000 in west fork, 26,000 in east fork.
257-502	8-19-1994	HANDER	G	G		0	0	35000	3000	50000P		Time: 1510 hrs. Low stream flow. Surveyed entire system. 50K pinks were at mouth and the near tidal flats area.
257-502	9- 1-1994	JOHNSON	E	G		0	0	71000	0			1435 hrs. Surveyed entire system. Stream flow fair, but east fork dry approximately 1/2 mile upstream.
257-502	10-17-1994	JOHNSON				0	1700	0	0			1207 HRS. Stream flow fair. Surveyed entire river both forks.
ALPINE COVE CREEK												
257-503	8- 5-1994	HANDER	G	G		0	0	1100	200			1520 HRS. Good stream flow. Surveyed entire stream.
257-503	8-19-1994	HANDER	G	G		0	0	7000	300			Time: 1523 hrs. Moderate stream flow. Surveyed entire system.
257-503	9- 1-1994	JOHNSON	E	E		0	0	400	0			1430 hrs. Stream flow fair - no dry spots.
257-503	10-17-1994	JOHNSON	E			0	25	0	0			1221 HRS. Stream flow good. Surveyed entire river.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
N.E. PORTAGE												
257-601	8- 8-1994	PROKOPOWICH			E	0	0	0	0		10000Ch	Bay fish are inside markers at Portage Lagoon.
257-601	8- 8-1994	HANDER	G	G		0	0	300	2000			1214 HRS. Moderate stream flow. Surveyed entire system and mouth area.
257-601	9- 1-1994	JOHNSON	G	G		0	0	2000	13000	7000Ch		1407 hrs. Stream dry approximately 1/2 mile upstream.
257-601	10-17-1994	JOHNSON	G			0	600	0	0			1216 HRS. Stream flow good. Surveyed entire river.
SULUA PINK CREEK												
257-602	8- 8-1994	PROKOPOWICH	E	E		0	0	1500	0	25000P		
257-602	9- 1-1994	JOHNSON	G	G		0	0	4000	1000	2000P 1000Ch		1415 hrs. Fair stream flow - no dry spots.
257-602	10-17-1994	JOHNSON	G			0	0	0	0			1239 HRS. Stream flow fair. Just looked at lower 1/4 mile. No fish.
SULUA CHUM CREEK												
257-603	7-27-1994	HANDER	G	G	F	0	0	800	0			1455 hours, good stream flow, pinks observed in lower river. Surveyed entire stream and lagoon. Very few fish in lagoon and around mouth.
257-603	8- 8-1994	HANDER	G	G		0	0	400	800	5000Ch		1229 HRS. Good stream flow. Surveyed entire system, mouth and bay area.
257-603	8- 8-1994	PROKOPOWICH	E	E		0	0	0	400	10000Ch		
257-603	9- 1-1994	JOHNSON	E	G		0	0	0	9000	8000Ch		1417 hrs. Stream flow low but no dry spots.
257-603	10-17-1994	JOHNSON	G			0	600	0	0			1241 HRS. Stream flow good. Surveyed entire river.
TOM'S CREEK												
257-604	8- 8-1994	HANDER	G			0	0	1000	100			1220 HRS. Moderate stream flow. Surveyed entire system.
HUMPY RIVER												
257-701	7-27-1994	PROKOPOWICH	E	G		0	0	93000	0	35000P		Pinks distributed all the way to upper reaches.
257-701	7-30-1994	PROKOPOWICH	E	E		0	0	140000	0	55000P		Looks very good.
257-701	8- 7-1994	PROKOPOWICH	G			0	0	144000	0			Poor visibility off mouth.
257-701	8-16-1994	BRENNAN	P	P	P	0	0	149000	0	38000P	9500P	Time: 1540. Good look at upper river but fog came in, so poor look below. Fish spread out and spawning clear up to mountains. 46,000 above canyon.
257-701	9-30-1994	JOHNSON	F			0	550	0	0			1548 HRS. Surveyed entire stream. Canyon reaches dark. WX scattered 2,500, easterly 15-20.
BOULDER BAY												
258-101	8-11-1994	BRENNAN	P	P		0	0	150	0	50Ch		Time: 1512. Quick fly by.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
KILIUDA BAY												
258-20	8- 8-1994	PROKOPOWICH			E	0	0	0	0			Estimated 55,00 mixed pink and chum near Pivot Point, most fish appear to be chums.
258-20	8-13-1994	PROKOPOWICH			E	0	0	0	0			Estimated 60,000 mixed pinks and chums by Pivot Point. Looks like build up fish barely out on low tide from inside markers.
SANTA FLAVIA												
258-201	8-11-1994	BRENNAN	E	G	G	0	0	0	0	3500P 12000Ch	50Ch	Time: 1305. Two good groups of fish in upper part of "lagoon"; nothing in river yet.
SHEARWATER BAY CREEK												
258-202	7-27-1994	BRENNAN	G	G	G	0	0	0	0	500P		Time: 1345. Quiet.
258-202	7-27-1994	PROKOPOWICH			G	0	0	0	0			600 mixed pinks and chum along west shore.
258-202	8- 7-1994	PROKOPOWICH			G	0	0	0	0		1500P 2800Ch	Fish along west shore.
258-202	8-11-1994	BRENNAN	E	G	F	0	0	0	0			Time: 1110. Stream goes dry upstream 1/2 mile. No show at mouth or right offshore. See report on Stream #203 for bay fish.
258-202	9- 7-1994	PROKOPOWICH	G		E	0	0	2000	4000		2000Co	Very low water in stream. Fish in sloughs.
PORT OTTER CREEK												
258-203	8-11-1994	BRENNAN	E	E	F	0	0	0	0	5P	7000P	Time: 1115. Fish just off mouth of creek. Could be bound for Shearwater.
DOG BAY CREEK												
258-204	7-27-1994	PROKOPOWICH		G		0	0	0	0	600Ch		
258-204	7-27-1994	BRENNAN	G	G	G	0	0	0	0	500Ch	5500Ch	Time: 1350.
258-204	8- 8-1994	PROKOPOWICH	G	E		0	0	0	500	9000Ch		
258-204	8-11-1994	BRENNAN	E	F	P	0	0	4000	4600	2000P 19000Ch		Time: 1300. Good show on chums outside of mouth.
258-204	8-13-1994	PROKOPOWICH	E	E		0	0	0	0	4000P 9000Ch		Stream low.
258-204	9- 7-1994	PROKOPOWICH	E	E		0	0	0	13000	3000Ch		Water low in streams.
COXCOMB POINT CREEK												
258-205	7-27-1994	BRENNAN	G	G	F	0	0	0	0			Time: 1355.
258-205	8- 8-1994	PROKOPOWICH	E	E	G	0	0	0	600	13000Ch		
258-205	8-11-1994	BRENNAN	E	F	P	0	0	2000	2600	50Ch	5000Ch	Time: 1250.
258-205	8-13-1994	PROKOPOWICH	E	E		0	0	0	0	10000Ch		Stream low.
258-205	9- 7-1994	PROKOPOWICH	E	E		0	0	0	6500	1500Ch		Water low in streams.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
N. KILIUDA CREEK												
258-206	7-27-1994	BRENNAN	G	G	G	0	0	1800	10	500P		Time: 1310.
258-206	8- 5-1994	GRETSCH	G	G	F	0	0	7000	1500	1500P		
258-206	8- 8-1994	PROKOPOWICH	E			0	0	5000	1500			Fish in lower end of creek.
258-206	8-11-1994	BRENNAN	E	E	G	0	0	16000	3500	1000Ch	500P	Time: 1240. Good look at creek. Big ball in lower river and distributed well in lower two miles. Chums in sloughs.
W. KILIUDA CREEK												
258-207	7-27-1994	HANDER	G	G	G	0	0	2100	300			1625 hours, good stream flow. Surveyed entire stream, mouth and immediate bay area. Poor show off mouth. Chums mixed with pinks in stream.
258-207	7-27-1994	BRENNAN	G	G	G	0	0	400	100	300P 100Ch		Time: 1315. Quick fly by; nothing showing in bay.
258-207	8- 5-1994	GRETSCH	G	G	P	0	0	1500	400	5000P		
258-207	8- 7-1994	PROKOPOWICH			G	0	0	0	0		18000P 2000Ch	Looks fair in bay but not many fish in creeks.
258-207	8- 8-1994	PROKOPOWICH	G	G		0	0	4000	200	1000P		South fork: 2,000 pinks, Sample fork: 2,000 pinks.
258-207	8- 8-1994	HANDER	G	G		0	0	4000	500			1100 HRS. Good stream flow, flew entire system and mouth area. No show off mouth.
258-207	8-11-1994	BRENNAN	E	E	F	0	0	15000	2000	9000P	16000Ch	Time: 1225. Bay chums scattered along south shore clear to Pivot Point. 7-10,000 pinks in low end of sample fork, plus 7,000 in clear fork to south.
258-207	8-13-1994	PROKOPOWICH	E	G		0	0	7000	0	3000P		West fork 3,500 pinks, sample fork 3,500 pinks.
258-207	9- 1-1994	JOHNSON	E	G		0	0	30000	0			1215 hrs. Flew entire river, stream dry approximately 1/2 mile upstream. Very low flow in lower section.
258-207	9- 7-1994	PROKOPOWICH	E	E		0	0	19000	0			Sample fork - 13,500 pinks. Left fork - 5,500 pinks.
258-207	9-30-1994	JOHNSON	F	P		0	550	0	0			1702 HRS. Stream flow poor. Dry in some spots 1 mile upstream.
258-207	10-18-1994	JOHNSON	G			0	550	0	0			1528 HRS. Surveyed entire river. Stream flow fair.
DUKALUK CREEK												
258-208	7-27-1994	BRENNAN	G	G	G	0	0	0	0	500P		Time: 1322.
258-208	8- 8-1994	PROKOPOWICH	E	E		0	0	0	200	4000Ch		
258-208	8-11-1994	BRENNAN	E	E	F	0	0	0	0	4500Ch	2000Ch	Time: 1222.
DEER CREEK												
258-209	8- 8-1994	PROKOPOWICH	E	G	E	0	0	0	0	250P 100Ch	1400Ch	Chums along Kiliuda Spit.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
KILIUDA SPIT CREEK												
258-210	8-11-1994	BRENNAN	E	E	G	0	0	0	0	2000P		Time: 1245. No stream survey. Quick fly by.
MARKER GROVE CREEK												
258-211	7-27-1994	BRENNAN	G	G	G	0	0	0	0	300P		Time: 1325. Quiet.
258-211	8- 8-1994	PROKOPOWICH	E	E		0	0	0	0	7000P		Pinks inside markers. No survey of stream.
258-211	8-11-1994	BRENNAN	E	E	F	0	0	500	500	5000Ch	1500P	Time: 1220.
PIVOT POINT												
258-212	7-27-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1327. No show.
258-212	8- 7-1994	PROKOPOWICH			G	0	0	0	0		3000Ch	
258-212	8-11-1994	BRENNAN	E	G	G	0	0	2000	500	4000Ch		Time: 1215. Nothing in stream. Good shot of fish in lagoon at opening to creek and at mouth.
BEAR CAMP CREEK												
258-213	7-27-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1320. Zip.
258-213	8- 5-1994	GRETSCH	G	F	P	0	0	0	0	5000P		One school holding near mouth of stream.
258-213	8-11-1994	BRENNAN	E	E	G	0	0	0	0			Time: 1230. Nothing showing; water level very low.
GHOST ROCKS CREEK												
258-304	8-11-1994	BRENNAN	E	E	G	0	0	5400	0	9000P		Time: 1220. Really good show in creek and right at mouth.
NUT ISLAND CREEK												
258-305	8-11-1994	BRENNAN	P	E	G	0	0	200	0	3500P		Time: 1125. Good show at mouth.
ROLLING BAY												
258-511	8- 8-1994	PROKOPOWICH	E	E		0	0	0	1500	3000Ch		
MIDWAY CREEK												
258-521	7-27-1994	HANDER	G	G	G	0	0	1800	200			1545 hours, good stream flow. Surveyed entire stream, mouth and bay. Poor show in bay. Chums mixed with pinks in stream.
258-521	8- 8-1994	HANDER	G	G		0	0	6500	1500			1115 HRS. Good stream flow. Surveyed entire system and near mouth area, no show off mouth.
258-521	8- 8-1994	PROKOPOWICH	G	E		0	0	6500	1000	28000P		Good buildup of pinks off of mouth.
258-521	8-11-1994	BRENNAN	F	F	P	0	0	3500	1750	2000P 1000Ch	8500P	Time: 1150. Not a great survey, conditions kind of marginal. Some of bay fish may be chums or coho.
258-521	9- 1-1994	JOHNSON	E	E		0	0	16000	100			1235 hrs. Flew entire river. Very low flow.
258-521	9- 7-1994	PROKOPOWICH	E	E		0	8000	5000	0	500Co		Pink count does not includes 25,000 morts in creek.
258-521	9-30-1994	JOHNSON	G	G		0	7900	0	0			1648 HRS. Stream flow good - most fish upstream of lagoon area.
258-521	10-18-1994	JOHNSON	G			0	6500	0	0			1513 HRS. Surveyed entire river. Stream flow good. Fish observed all the way up to forks.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
BARLING CREEK												
258-522	7-27-1994	PROKOPOWICH	G	G	G	0	0	100	800	1500P 3400Ch	10000P	Looks good for this time period. Bay fish are inside spit.
258-522	7-27-1994	HANDER	G	G	G	0	0	2600	300			1600 hours, good stream flow. Surveyed entire stream, mouth and bay. Poor show in bay. Chums were mixed in with pinks.
258-522	7-30-1994	PROKOPOWICH	G	G		0	0	12000	0	31000P		Looks good. Mouth fish from spit to creek.
258-522	8- 8-1994	PROKOPOWICH	E	E	E	0	0	18000	3500	22000P	12000P	Looks good.
258-522	8- 8-1994	HANDER	G	G		0	0	8500	1000	500P		1131 HRS. Good stream flow. Surveyed entire system, and near mouth area.
258-522	8-11-1994	BRENNAN	E	E	G	0	0	17000	3000	25000P 2000Ch	27000P	Time: 1130. Good show of fish outside on south side from marker to mouth. Good numbers in lower river but upper river thin.
258-522	8-13-1994	PROKOPOWICH	E	E	E	0	0	21000	0	13000P	500Co 40000P	Looks good.
258-522	8-16-1994	BRENNAN	E	E	G	0	0	17500	5500	16000P 5000Ch	2000Co 46000P	Time: 1420. Large volume of fish scattered out on flats, and well distributed in lower river. Creek goes dry 1 mile above major fork.
258-522	9- 1-1994	JOHNSON	E	E		0	0	49000	0	3000P 3000Ch		1255 hrs. Flew entire river. Very low flow, intermittent dry upstream.
258-522	9- 7-1994	PROKOPOWICH	E	E		0	4000	32000	0			Coho in mouth. Approximately 30,000 pink morts in stream not included in pink count.
258-522	9-30-1994	JOHNSON	F	F		0	3100	0	0			1639 HRS. Stream flow fair, but dry one mile upstream.
258-522	10-18-1994	JOHNSON	G			0	2800	0	0			1455 HRS. Surveyed entire river. Stream flow fair.
WEST THREE SAINTS												
258-531	8- 8-1994	HANDER	G	G		0	0	0	0			1143 HRS. Good stream flow. Surveyed entire system and mouth area. No fish seen.
258-531	9- 1-1994	JOHNSON	E	E		0	0	8000	0			1310 hrs. Stream flow low. Best show of pinks seen in years.
S.W. THREE SAINTS												
258-532	8- 8-1994	HANDER	G	G		0	0	0	0			1145 HRS. Good stream flow. Surveyed entire system and mouth area. No fish seen.
258-532	9- 1-1994	JOHNSON	E	E		0	0	500	0			1312 hrs. Stream flow very low. Best show of pinks in years.
N.E. THREE SAINTS												
258-533	8- 8-1994	HANDER	G	G		0	0	0	0			1140 HRS. Low stream flow. Surveyed entire system and mouth area. No fish seen. (?) for 15 yards near mouth.
258-533	9- 1-1994	JOHNSON	E	E		0	0	0	0			1307 hrs. Stream dry; no fish off mouth.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
KAIUGNAK BAY												
258-54	10-18-1994	JOHNSON	G			0	0	0	0			1447 HRS. Stream flow fair. Quick look lower section - no fish.
KAIUGNAK POINT												
258-541	7-27-1994	HANDER	G	G	F	0	0	400	0			1507 hours, good stream flow. Surveyed entire stream and immediate bay area. Pinks in lower 1/4 of stream. No show off the mouth.
258-541	8- 8-1994	PROKOPOWICH	E	E		0	0	1000	0	15000P		
258-541	8- 8-1994	HANDER	G	G		0	0	500	0	1500P		1153 HRS. Moderate stream flow. Surveyed entire system and mouth area.
258-541	8-16-1994	BRENNAN	E	E	G	0	0	1950	0	7500P		Time: 1435.
258-541	9- 1-1994	JOHNSON	E	E		0	0	6000	0			1350 hrs. Stream dry approximately 1/2 mile upstream.
258-541	9-30-1994	JOHNSON	F			0	1225	0	0			1627 HRS. Stream flow poor - dry 1/2 mile upstream. Good show of fish in lower part of river.
258-541	10-18-1994	JOHNSON	G			0	850	0	0			1442 HRS. Stream flow fair. Dry above 3/4 mile.
KAIUGNAK LAGOON												
258-542	7-27-1994	HANDER	G	F		0	0	0	0			1502 hours, good stream flow. Surveyed entire stream, mouth and lagoon. No fish observed.
258-542	8- 8-1994	HANDER	G	F		0	0	600	200			1156 HRS. Moderate stream flow. Surveyed entire system and lagoon. No show in lagoon.
258-542	8- 8-1994	PROKOPOWICH	E	E	E	0	0	11000	0	13000P	1000P	Bay fish inside lagoon entrance.
258-542	8-16-1994	BRENNAN	E	G	G	0	0	2600	0	19000P	5300P	Time: 1440. Fish thinly distributed in creek, but a large bunch were on flats at mouth. Plus one large school on beach out front.
258-542	9- 1-1994	JOHNSON	E	P		0	0	3000	0			1355 hrs. Lots of carcasses.
258-542	9-30-1994	JOHNSON	F	G		0	25	0	0			1624 HRS. Stream flow fair - one bear fishing at mouth.
BRUIN CREEK												
258-544	8-16-1994	BRENNAN	E	E	G	0	0	600	0	2000P	2500P	Time: 1450.
258-544	9- 1-1994	JOHNSON	E	P		0	0	200	0			1354 hrs. Lots of carcasses, few live fish in creek. Glare on water off mouth - hard to see.
258-544	9-30-1994	JOHNSON	P			0	0	0	0			1618 HRS. No fish - stream flow fair.
KIAVAK PORTAGE												
258-551	7-27-1994	HANDER	G	G	G	0	0	0	0	1000P		1520 hours, good stream flow. Surveyed entire stream, mouth and bay. Good buildup of pinks in bay from near mouth to about 3/4 mile off mouth.
258-551	8- 8-1994	PROKOPOWICH	E	E		0	0	200	0	12000P		

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
258-551	8-16-1994	BRENNAN	E	E	G	0	0	210	50	12500P	5000Ch	Time: 1500. Large school of chums(?) on outside beach and several schools of pinks way inside by mouth.
CAPE KIAVAK 258-552	8-16-1994	BRENNAN	E	E	G	0	0	0	0	1600P		Time: 1505. No stream survey.
KIAVAK LAGOON 258-554	8- 8-1994	HANDER	G	G		0	0	500	0	6000P		1208 HRS. Good stream flow. Surveyed entire system and mouth area.
258-554	8- 8-1994	PROKOPOWICH		E		0	0	0	0	5000P		
258-554	8-16-1994	BRENNAN	E	E	G	0	0	0	0	14500P		Time: 1455. Big school scattered right at mouth of small creek...traveling fish?
258-554	9- 1-1994	JOHNSON	G	G		0	0	0	200	3500Ch		1402 hrs. Stream dry 200 yards upstream. Lots of fish in eel grass off mouth.
JAP BAY 258-601	7-27-1994	HANDER	G	G	G	0	0	500	0			1524 hours, good stream flow. Surveyed entire stream, mouth and immediate bay area. Very few fish in bay and off mouth.
258-601	8- 8-1994	PROKOPOWICH		E		0	0	0	0	5000P		
KAGUYAK BAY CREEK 258-602	8- 7-1994	PROKOPOWICH	G	G	G	0	0	1000	1500	5000P	3500P 1000Ch	Looks weak.
258-602	8-16-1994	BRENNAN	E	E	F	0	0	3500	1850	3400P	8500P	Time: 1510. Good shot of fish in bay right at mouth and small shot in lagoon. Most fish in stream are in left fork of main creek.
258-602	9-30-1994	JOHNSON	F	F		0	1500	0	0			1603 HRS. Surveyed up to Cottonwood line. Stream flow fair. Two single bears.
KAGUYAK FOX CREEK 258-603	8-16-1994	BRENNAN	E	E	F	0	0	1500	0			TimeA: 1515.
KAGUYAK BAY WEST 258-604	8-16-1994	BRENNAN	E	E	F	0	0	0	0	2000Ch		Time: 1512. Good school of what appears to be chums at mouth of small stream.
SEVEN RIVERS 258-701	7-27-1994	PROKOPOWICH	E	E		0	0	20000	0			Pinks below forks, nothing seen off mouth or along beaches to north.
258-701	7-30-1994	PROKOPOWICH	P	P	P	0	0	0	0			No survey - fogged in.
258-701	8- 7-1994	PROKOPOWICH	E			0	0	62000	0			West fork 7,000, east fork 15,000 - not a complete survey of east fork - below forks 40,000.
258-701	8- 8-1994	PROKOPOWICH	E	E		0	0	38000	0	2500P		Only partial survey of stream, below forks to ocean.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
258-701	8-16-1994	BRENNAN	E	E	E	0	0	153500	0	5000P	7500P	Time: 1525. Good look. Massive balls of fish in lower river and fish in all deep holes clear up to mountains. Fish not actively spawning. 76,000 below forks - 31,000 left fork, 46,500 right fork. Only 5,000 carcasses.
WALTER'S CREEK												
258-702	7-30-1994	PROKOPOWICH		E		0	0	0	0	2000P		Good show of pinks moving north along beaches to Russian Harbor.
258-702	8- 8-1994	PROKOPOWICH	E	E		0	0	2000	0	800P		
MELAVEDOF CREEK												
258-705	8- 8-1994	PROKOPOWICH		E		0	0	0	0	500P		
258-705	8-16-1994	BRENNAN	E	G	P	250	0	0	0	100P		Time: 1520.
MONASHKA CREEK												
259-101	7-27-1994	BRENNAN	G	G	G	0	0	0	0	100P	7500P	Time: 1600.
259-101	7-28-1994	PROKOPOWICH		E		0	0	0	0	15000P		Excellent buildup for this time.
259-101	8- 9-1994	BRENNAN	G	G	F	0	0	4300	0		3500P	Time: 1055.
259-101	9- 2-1994	PROKOPOWICH	G	G		0	0	7000	0	1200Co		Amazing number of coho.
259-101	9-27-1994	WORTON	G	G		0	1749	113	0			Walked to reservoir. Lots of pink morts; not counted.
PILLAR CREEK												
259-102	7-27-1994	BRENNAN	G	G	G	0	0	4500	0	3600P	5000P	Time: 1555.
259-102	7-28-1994	PROKOPOWICH		E		0	0	0	0	8500P		Excellent buildup for this time.
259-102	8- 9-1994	BRENNAN	G	E	F	0	0	6500	0	4000P		Time: 1050. Did not get a good look at bay. Likely more fish in deep water.
259-102	9- 2-1994	PROKOPOWICH	G	G		0	0	15000	0	2000P		
259-102	9-28-1994	WORTON	G	G		0	199	372	0			Most coho in hole below road, pinks near stream mouth. No count of pink morts.
WOMEN'S BAY												
259-21	8- 5-1994	GRETSCH			G	0	0	0	0		20000P	12 schools of pink salmon observed in the closed water area of Woman's Bay, most were near Shannon Point.
259-21	8-13-1994	PROKOPOWICH			E	0	0	0	0		60000P	60,000 fish on flats combined between Sargent and Russian Creeks. Looks good.
BUSKIN RIVER												
259-211	7-30-1994	PROKOPOWICH	G			0	0	14000	0			Also 3,000 Dolly Varden in creek.
259-211	8- 1-1994	BRENNAN	G	G	F	0	0	16000	200	500P		Time: 1735. Lower river, mouth, and beach all look really quiet. No fish showing.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
259-211	8- 5-1994	GRETSCH	E	G	G	0	0	33000	0	8000P		
259-211	8- 8-1994	BRENNAN	G	G	F	0	0	54000	0	1400P	100Co 2500P	Time: 1440. Good distribution. 31K above weir site.
259-211	8- 8-1994	PROKOPOWICH	G			0	0	56500	0	3000P		
259-211	8-13-1994	PROKOPOWICH				0	0	50000	0	3000P		
259-211	8-18-1994	BRENNAN	F	F	P	0	0	121000	0	7000P		Time: 1730. Quick look, poor light. 80K above weir.
259-211	8-25-1994	PROKOPOWICH	E			0	0	107000	0			74,000 pinks above weir.
259-211	9-30-1994	WEIR COUNT	e	e	e	11783	8146	89711	17			Final weir count. Weir in operation 6/1 to 7/23 and 8/16 to 9/30. Count includes estimate of pinks which were in river when weir reinstalled, but does not include estimate of fish spawning in the river when weir pulled. Plus 6 chinook counted through weir.
SARGENT'S CREEK												
259-221	8- 1-1994	BRENNAN	G	G	G	0	0	200	0			Time: 1745.
259-221	8- 5-1994	GRETSCH	G	G	G	0	0	7000	0	3000P		Surveyed lower stream and bay only.
259-221	8- 8-1994	BRENNAN		G	G	0	0	0	0	3000P	5000P	Time: 1500. No stream survey.
RUSSIAN RIVER												
259-222	8- 1-1994	BRENNAN	G	G	G	0	0	500	0	100P		Time: 1740. Not much; really quiet outside.
259-222	8- 5-1994	GRETSCH	G	G	G	0	0	6000	0	2500P		Suveyed lower stream and bay only.
259-222	8- 8-1994	BRENNAN		G	G	0	0	0	0	5000P	15000P	Time: 1455. No stream survey. Good show out front....traveling fish?
SOLONIE CREEK												
259-223	8- 1-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1735. Really dead. No fish seen.
259-223	8- 5-1994	GRETSCH		G	G	0	0	0	0	300P	7000P	Survey of bay and mouth only.
259-223	8- 8-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1450. Nothing in creek or at mouth.
259-223	9-22-1994	WORTON	G			0	226	300	0			Worton and Peschier walked to 1/2 mile above range. Pink count is an estimate.
AMERICAN RIVER												
259-231	7-27-1994	BRENNAN	G	E	E	0	0	4000	500	1500P	5000P 500Ch	Time: 1215. Bay looks pretty dead.
259-231	8- 1-1994	BRENNAN	G	G	G	0	0	3500	500	1800P	1500P 9000Ch	Time: 1640. Pretty quiet along beach. Bay fish in balls offshore. Lots of Dollies in creek. Nothing up in canyon.
259-231	8- 5-1994	GRETSCH	G	G	G	0	0	4500	1500	2000P	2500P	Flew upstream until out of water.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
259-231	8- 8-1994	PROKOPOWICH	E	E		0	0	3250	3250	70000P 12500Ch		Plus 3,000 Dolly Varden in creek.
259-231	8- 8-1994	BRENNAN	E	E	G	0	0	8400	170		22500P 500Ch	Time: 1215. River dry up above. Only 4,200 above bridge, 3,000 at bridge, 1,200 below. Chums way upstream; did not fly all sloughs.
259-231	8-11-1994	BRENNAN	E	E	G	0	0	14000	3000	2000P 100Ch	79000P 2000Ch	Time: 1045. Tide out, but fish just on point outside of mouth.
259-231	10- 6-1994	WORTON	E			0	194	230	0			All fish above bridge. No carcass count.
SALT CREEK 259-233	8-11-1994	BRENNAN		E		0	0	0	0	11000P		Time: 1040. No stream survey. For reports of bay fish see American River (Stream #231). Quick look at mouth.
SLOUGH CREEK 259-234	8- 1-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1650.
SID OLDS 259-242	7-27-1994	BRENNAN	G	E	E	0	0	2900	400	400P	19500P 2000Ch	Time: 1225.
259-242	8- 1-1994	BRENNAN	G	G	G	0	0	5200	200		6000Ch	Time: 1615.
259-242	8- 5-1994	GRETSCH	G	G	G	0	0	25000	3500	5000P	5000P	Good stream flow, surveyed Deadman's to mouth.
259-242	8- 8-1994	BRENNAN	E	E	E	0	0	26200	2000	6000P	79000P	Time: 1055. In river only 700 above Deadman's place. 13,000 above bridge and remainder below. Lots of fish at beach and traveling along east side of bay; 21,000 at beach.
259-242	8- 9-1994	PROKOPOWICH	G	G		0	0	20000	2500	30000P		Looks good for escapement. Not much else showing in bay.
259-242	8-11-1994	BRENNAN	E	F	G	0	0	43500	5000		35000P	Time: 1410. Quick look. Only 500 above Deadman's place. 3,500 in upper fork. Most of fish from just above bridge to 1/2 way to mouth. Few in mouth. Good show still outside.
259-242	9- 7-1994	PROKOPOWICH	E	E		0	1200	31000	1300			Pink count live fish only. Most of chum and coho below bridge. Water low, new beaver dam across main river by fence crossing.
259-242	10-14-1994	WORTON	F			0	243	2	0			All fish above bridge. Water level high, so visibility low in deep holes.
259-242	10-21-1994	SCHWARZ	G			0	395	0	0			Good survey conditions.
KALSIN CREEK 259-243	8- 1-1994	BRENNAN	G	G	G	0	0	1500	0			Time: 1625.
259-243	8- 8-1994	BRENNAN	E	E	E	0	0	350	0			Time: 1100. Stream goes dry just above bridge. See report for Sid Olds (stream #242) for bay fish.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
FRANK'S CREEK												
259-244	7-27-1994	BRENNAN		E	E	0	0	0	0		300P	Time: 1230. Stream goes intergravel at mouth...impassable to fish.
259-244	8- 1-1994	BRENNAN		G	G	0	0	0	0		2000P	Time: 1612. River goes under gravel at beach. Impassable to fish.
MYRTLE CREEK												
259-245	7-27-1994	BRENNAN	E	E	E	0	0	0	0	100P	7000P	Time: 1235. Quick fly over; few fish moving in stream.
259-245	8- 1-1994	BRENNAN	G	G	G	0	0	300	0	300P	11000P	Timea: 1610. Good show just off mouth. Not much in creek yet.
259-245	8- 5-1994	GRETSCH	E	E	E	0	0	4500	0	5000P	30000P	
259-245	8- 8-1994	BRENNAN	E	E	E	0	0	2900	0	500P	7000P	Time: 1050. Bay fish off beach to north. Lots of traveling fish in vicinity (see report for Sid Olds River #242).
259-245	8- 9-1994	PROKOPOWICH	G	G		0	0	5500	0	15000P		
MAYFLOWER BEACH												
259-246	8- 1-1994	BRENNAN	G	G	G	0	0	0	0		1000P 1500Ch	Time: 1630. Traveling fish??
259-246	8- 5-1994	GRETSCH	G	E	E	0	0	0	0			
ROSLYN CREEK												
259-251	7-27-1994	BRENNAN	E	E	E	0	0	2500	0	4000P	1000P	Time: 1240.
259-251	8- 1-1994	BRENNAN	G	G	G	0	0	6300	0	7000P	11800P	Time: 1605. All but 300 fish in two schools below bridge.
259-251	8- 5-1994	GRETSCH		G		0	0	0	0	3000P		Survey of the mouth only.
259-251	8- 8-1994	BRENNAN	E	E	G	0	0	19500	0	200P	450P	Time: 1048. Few fish along bridge or in mouth. Most fish (12,000) below bridge.
259-251	8- 9-1994	PROKOPOWICH	G	G		0	0	18000	0	6000P		
259-251	10-21-1994	WORTON	E			0	130	0	0			Surveyed to 1 mile above road.
TWIN CREEK												
259-252	7-27-1994	BRENNAN	E	E	E	0	0	0	0		1500P	Time: 1242.
259-252	8- 1-1994	BRENNAN	G	G	G	0	0	150	0	200P		Time: 1600. Not much here.
259-252	8- 5-1994	GRETSCH				0	0	0	0	1500P		Survey of the mouth only.
259-252	8- 8-1994	BRENNAN	E	E	G	0	0	7000	0	200P		Time: 1045.
CAPELIN CREEK												
259-253	7-27-1994	BRENNAN	E	E	E	0	0	0	0	700P		Time: 1245.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
259-253	8- 1-1994	BRENNAN	G	G	G	0	0	175	0	3100P		Time: 1555. Looks good but few fish up in stream. Early??
259-253	8- 5-1994	GRETSCH	G	G	G	0	0	0	0	3000P		Survey of the mouth only.
259-253	8- 8-1994	BRENNAN	E	E	G	0	0	0	0	200P	600P	Time 1040. Quick look. No stream survey.
CHINIAK CREEK												
259-254	7-27-1994	BRENNAN	E	E	E	0	0	750	0	3000P		Time: 1245.
259-254	8- 1-1994	BRENNAN	G	G	G	0	0	1700	0	7400P	8000P	Time: 1550. 6,000 pinks in kelp along beach to east. 2,000 pinks in kelp to west. Stream fish in lower 1/2 mile; looks like fish just moving in.
259-254	8- 5-1994	GRETSCH	G	G	G	0	0	2500	0	12000P	1500P	Surveyed stream outlet to bridge only.
259-254	8- 8-1994	BRENNAN	E	E	E	0	0	10400	0	4000P	500P	Time: 1035. Lot less fish outside stream. Surveyed lower 2 miles.
259-254	8- 9-1994	PROKOPOWICH	G	G		0	0	14000	0	10000P		
CRESCENT CREEK												
259-362	9- 7-1994	PROKOPOWICH			G	0	0	0	0		900Co	Settler's Cove fish inside breakwater but outside causeway.
BARABARA CREEK												
259-363	6-29-1994	PROKOPOWICH	G			300	0	0	0			Good visibility, but not many showing.
259-363	8- 9-1994	BRENNAN	P	F	F	2400	0	0	0	500P		Time: 1215. Tried to find reds, but all up in mouths of little creeks above lakes. Visibility poor in lake and tributaries.
GOAT CREEK												
259-364	8- 9-1994	BRENNAN	E	G	G	0	0	0	0	500P	3500P	Time: 1205. Quick look at stream but nothing up inside. Fair show at mouth and offshore. Looks poor in bay.
259-364	9- 2-1994	PROKOPOWICH	G	G		0	0	500	0	150P		
KIZHUYAK RIVER												
259-365	7-27-1994	BRENNAN	G	G	G	0	0	2000	500	8000P 3000Ch	18000P 5000Ch	Time: 1530. Flew only lower 2 mile of creek. Quick look.
259-365	7-28-1994	PROKOPOWICH	G	G		0	0	2000	0	3400Ch		Nothing seen in beaver pond creek.
259-365	8- 9-1994	BRENNAN	E	G	F	0	0	2300	0	200P	21000P 6000Ch	Time: 1155. Bay water murky. Heavy fish on east side of bay just down from guide camp, could be chums. Few fish up on flats or in river.
259-365	9- 2-1994	PROKOPOWICH				0	0	26700	4200	1500Ch		Beaver pond - 2,000 pinks. Main fork - 19,000 pinks. Sloughs - 3,200 chum.
PESTCHANIE CREEK												
259-366	8- 9-1994	BRENNAN	F	G	G	0	0	0	0	500P		Time: 1150. Quick fly by, but it didn't look like any fish in stream.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
FEW CREEK												
259-367	8- 9-1994	BRENNAN	G	G	F	0	0	50	0	500P		Time: 1200. Quick look. See Kizhuyak report (Stream #365) for bay fish.
SHERATIN RIVER												
259-371	7-27-1994	PROKOPOWICH	G	G		0	0	6200	500	2000Ch		Looks good for this time.
259-371	7-27-1994	BRENNAN		G	G	0	0	0	0	6000P 4000Ch	2000P 300Ch	Time: 1545. No stream survey. Quick look at mouth and bay. Looks good.
259-371	8- 5-1994	PROKOPOWICH	E	E		0	0	14000	0	14000P		Looks good.
259-371	8- 9-1994	BRENNAN	E	E	G	0	0	11400	550	5000P 500Ch	58000P 1500Ch	Time: 1130. Lots of fish. Fish well spread throughout river and intertidal area, plus large groups of fish all along outside edge of flats. Beaver dam on sample fork.
HORSE CREEK												
259-372	7-27-1994	BRENNAN	G	G	G	0	0	1000	0	400P		Time: 1545.
259-372	8- 9-1994	BRENNAN	E	E	G	0	0	50	0			Time: 1140. See report on Elbow Creek (#391) for bay fish numbers.
NEW CREEK												
259-373	8- 9-1994	BRENNAN	E	E	G	0	0	0	0		50P	Time: 1145. Dry.
RED CLOUD CREEK												
259-382	8- 9-1994	BRENNAN	E	G	F	0	0	1400	0	500P	17000P	Time: 1120. Bay kind of murky, but good show just off flats and east side.
259-383	8- 9-1994	BRENNAN	G	G	G	0	0	0	0			Time: 1115. No show in creek.
NEVA CREEK												
259-392	8- 9-1994	BRENNAN	E	E	F	0	0	5200	0	7000P	200Co 5000P	Time: 1107. Looks good, big difference between here and Soldier's Bay!
AZIMUTH CREEK												
259-393	8- 9-1994	BRENNAN	E	E	F	0	0	0	0			Time: 1100.
SEREDNI POINT CREEK												
259-394	8- 9-1994	BRENNAN	E	E	F	0	0	340	0	200P	5700P	Time: 1110.
MONK'S LAGOON												
259-395	9- 2-1994	PROKOPOWICH		G		0	0	0	0	50Co		One subsistence net.
SOLDIER'S BAY												
259-397	8- 9-1994	BRENNAN	E	E	F	0	0	800	0			Time: 1105.
ZENTNER CREEK												
259-410	8- 1-1994	BRENNAN	G	G	F	0	0	0	0	300P		Time: 1705.
PASAGSHAK RIVER												
259-411	7-27-1994	BRENNAN	F	F	F	0	0	0	0			Time: 1250. Quick fly by; looks really dead.
259-411	8- 1-1994	BRENNAN	G	G	F	2400	0	0	0	500P		Time: 1700. Really dead on beach and just a few pinks at mouth. Reds colored up; on flats at north end by lake.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
MIAM RIVER												
259-412	8- 1-1994	BRENNAN	G	G	F	500	0	6800	0			Time: 1715. Reds at lake outlet. Didn't survey upper end of lake for sockeye. Pinks in upper 1/2 of river; 2,200 in West Fork.
259-412	8- 5-1994	GRETSCH	F	F	F	800	0	5500	0	1000P	300P	Quick pass out lower outlet, one school of sockeye there.
259-412	8- 7-1994	PROKOPOWICH	G			0	0	200	0			No reds seen in lake.
259-412	8- 8-1994	BRENNAN	E	E	G	800	0	5750	0		50P	Time: 1110. Only saw a few reds in lake. Pinks not real thick; 4,350 in main river; 1,400 in west fork. Little show outside.
259-412	8-11-1994	BRENNAN	E	F	G	200	0	11400	0		80P	Time: 1400. Looks weak. Only saw a few reds in stream; no show in lake.
259-412	9- 7-1994	PROKOPOWICH	E	E		150	0	3000	0			Reds in inlet stream to lake. Outlet of lake dry.
HURST CREEK												
259-414	8- 1-1994	BRENNAN	G	G	F	0	0	2100	0			Time: 1720. Zip on outside.
259-414	8- 5-1994	GRETSCH	G	F	P	0	0	16000	300	2000P		
259-414	8- 8-1994	PROKOPOWICH		G		0	0	0	0	1000Ch		No stream survey.
259-414	8- 8-1994	BRENNAN	G	G	F	0	0	5800	0			Time: 1210. Pretty grim.
259-414	8-11-1994	BRENNAN	E	E	G	0	0	12200	0	500P		Time: 1050. Most fish in lower 1 mile of stream, thin above.
SALTERY RIVER												
259-415	8- 8-1994	PROKOPOWICH		G		0	0	500	0			No stream survey.
259-415	8- 8-1994	BRENNAN	E	G	G	0	0	8800	500		4000P 4000Ch	Time: 1205. Small shot of fish in bay. River looks pretty bare.
259-415	8-11-1994	BRENNAN	E	E	F	4000	0	14000	0	1700P		Time: 1335. Reds scattered throughout upper stream, not in lake. Pinks still look weak.
259-415	9-21-1994	WEIR COUNT	e	e	e	58975	2173	1560	30			Final weir count. Weir in operation 6/19 to 9/21. Count does not include estimate of fish spawning below the weir. Pus 1 chinook counted through weir.
ROUGH CREEK												
259-416	8- 1-1994	BRENNAN	G	G	F	0	0	50	100	600Ch		Time: 1725.
259-416	8- 8-1994	BRENNAN	E	F	F	0	0	10	150		1750Ch	Time: 1200. Stream chums in sloughs; not much in river.
259-416	8-11-1994	BRENNAN		E		0	0	0	0	2000P 2800Ch		Time: 1345. No stream survey. Quick look at lagoon and lower sloughs.
HIDDEN BASIN												
259-418	8- 8-1994	BRENNAN	E	G	F	0	0	0	20			Time: 1155.
WEST BASIN CREEK												
259-419	8- 8-1994	BRENNAN	E	G	F	0	0	20	0			Time: 1150.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
GLOTTOF CREEK												
259-420	8- 8-1994	BRENNAN	E	G	F	0	0	0	50			Time: 1153.
LAROSE BIGHT												
259-421	8- 8-1994	BRENNAN	G	G	G	0	0	0	0	50Ch	50Ch	Time: 1145.
GOAT LAKE CREEK												
259-422	8- 8-1994	BRENNAN	G	G	F	0	0	2200	0			Time: 1147.
KILIUDA PASS CREEK												
259-423	7-27-1994	BRENNAN	G	G	G	0	0	0	0		3000Ch	Time: 1310. Two good balls of chums out along south shore.
259-423	8- 8-1994	PROKOPOWICH	E	E	E	0	0	0	150	7500Ch	200Ch	Looks good.
259-423	8- 8-1994	BRENNAN	E	F	F	0	0	70	300	1200Ch		Time: 1140. Not a real good look at mouth.
EAGLE HARBOR												
259-424	7-27-1994	BRENNAN	G	G	F	0	0	950	450	1900P 200Ch		Time: 1300.
259-424	7-27-1994	PROKOPOWICH	G	G		0	0	600	0	700P 700Ch		Additional 500 Dolly Varden in creek.
259-424	8- 7-1994	PROKOPOWICH	G	G		0	0	11000	0	250P		
259-424	8- 8-1994	BRENNAN	E	E	E	0	0	18250	3500		8000P	Time: 1125. Good distribution.
259-424	8-11-1994	BRENNAN	E	E	G	0	0	38500	2000		2000P	Time: 1100. Most pinks in lower 1-1/2 miles. Only a quick look on outside beach.
259-424	9- 7-1994	PROKOPOWICH	E	E		0	0	17500	8000			Water very low. Dried up areas on main stream. Chums in sloughs to east, plus 6,500 pinks.
BUCK CREEK												
259-425	8- 8-1994	BRENNAN	E	E	E	0	0	25	0			Time: 1120. Deadsville.
GULL POINT CREEK												
259-426	8- 8-1994	BRENNAN	E	E	G	0	0	150	0		1200P	Time: 1115. Lots of small schools along beach....traveling fish.
DELTA CREEK												
259-427	8- 8-1994	BRENNAN	E	E	G	0	0	0	200	2200P		Time: 1135. Main channel dry but looks like fish can pass up through freshet in alders. Only chums in lagoon so far.
GULL CAPE LAGOON												
259-428	8-11-1994	BRENNAN	E	F	P	0	0	0	0			Time: 1325. No show. Difficult to see on outside beach. Creeks mostly dry.
259-428	9- 7-1994	PROKOPOWICH	E	E		0	0	0	1400	27500Ch		Tremendous build offshore outside lagoon. Stream fish are at creek mouths in lagoon. Water low.
DOUGLAS CREEK												
262-101	8-31-1994	PROKOPOWICH	G			0	0	200	0	100P		
262-101A	8-31-1994	PROKOPOWICH	G	G		0	0	300	0	100Co		Plane on beach, near old beached boat.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
CLEAR CREEK												
262-102	8-31-1994	PROKOPOWICH	G			0	0	0	0			Nothing seen.
MONUMENT CREEK												
262-103	8-31-1994	PROKOPOWICH	P	P		0	0	0	0			Nothing seen, muddy water.
GLACIER LAKE CREEK												
262-104	8-31-1994	PROKOPOWICH	G			0	0	0	0			Nothing seen.
CALVING GLACIER CRK.												
262-105	8-31-1994	PROKOPOWICH				0	0	0	0			Dry at mouth. Nothing seen.
LONG MUD CREEK												
262-107	8-31-1994	PROKOPOWICH	G			0	0	0	0			Nothing seen.
262-107A	8-31-1994	PROKOPOWICH	G			0	50	10	0			
PRODUCTIVE FORKS CR.												
262-108	8-31-1994	PROKOPOWICH	F			0	0	20	0			Pinks in clear fork.
SWIKSHAK RIVER												
262-151	7- 8-1994	GRETSCH				2000	0	0	0			Only 300 sockeye in the upper clear water section of river. Several schools within the glacial portion of the river.
262-151	7-28-1994	PROKOPOWICH	E			46000	0	0	0			Excellent red escapement.
262-151	8- 5-1994	BRENNAN	F	P	P	29600	0	0	0			Time: 1305. Good look at reds in north fork. Fish not close upon spawning grounds but scattered through clear water channel.
262-151	8-15-1994	BRENNAN	E	P	P	17500	0	0	0			Time: 1250. Reds now in upper and lower river.
262-151	8-31-1994	PROKOPOWICH	G			0	3000	0	0			Looks good. 4 seiners fishing.
BIG RIVER												
262-152	7-28-1994	PROKOPOWICH	P			0	0	0	3000			Poor visibility, river muddy. Chums seen in lower end near clear sloughs.
262-152	8- 5-1994	BRENNAN	P	P	P	0	0	0	0			Time: 1315. Poor look...river muddy, still didn't see any sign of fish.
262-152	8-15-1994	BRENNAN	E	E	E	0	0	31000	5000	3000Co 1000Ch		Time: 1305. Looks better, but still weak. 3 planes with 15 people fishing. Excellent look at river.
262-152	8-31-1994	PROKOPOWICH	G	G		0	8000	22000	35000	300Co		Looks fair. Good coho. 2 airplanes at mouth - sport fishermen.
VILLAGE CREEK												
262-153	7-28-1994	PROKOPOWICH	G			0	0	0	1500			Lower end of stream and mouth fogged in and outer beaches.
262-153	8- 5-1994	BRENNAN	E	E	F	0	0	5000	10500			Time: 1336. Fair shot of fish.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
262-153	8-15-1994	BRENNAN	E	E	F	0	0	5000	15000	1000P 5000Ch	8000Ch	Time: 1320.
262-153	8-31-1994	PROKOPOWICH	G	G		0	0	15000	20000			
CHINIAK LAGOON												
262-154	7-28-1994	PROKOPOWICH		G		0	0	0	0	4500P		Fish inside markers.
262-154	8- 5-1994	BRENNAN	E	G	P	0	0	0	0			Time: 1330. NADA.
262-154	8-15-1994	BRENNAN	E	E	G	0	0	0	7000	2500Ch	12000Ch	Time: 1330. Scattered schools along beach north to Village Creek.
262-154	8-31-1994	PROKOPOWICH	G	G		0	0	0	500	50Co		
HALLO BAY												
262-20	7-28-1994	PROKOPOWICH			F	0	0	0	0			Nothing seen along beaches. Brown airplane on beach.
NINAGIAK CREEK												
262-201	8-31-1994	PROKOPOWICH	G			0	0	0	2400			
HOOK CREEK												
262-202	8-31-1994	PROKOPOWICH	G			0	0	0	1600			
SERPENT CREEK												
262-203	8- 5-1994	BRENNAN	P	P	P	0	0	0	0			Time: 1340. A few balls but no fish in rivers and sloughs. Turbid.
262-203	8-15-1994	BRENNAN	E	P	P	0	0	0	3700	2000Ch		Time: 1345. Some fish in creek forks. Main river too turbid.
262-203	8-31-1994	PROKOPOWICH	G			0	200	0	8200			
HALLO CREEK												
262-204	8- 5-1994	BRENNAN	P	P	P	0	0	0	0			Time: 1345. No way to see anything, too turbid.
262-204	8-31-1994	PROKOPOWICH	P	P	P	0	0	0	0			Muddy - no count.
CAPE CHINIAK CREEK												
262-205	7-28-1994	PROKOPOWICH	G	G		0	0	0	0			Nothing seen.
262-205	8-31-1994	PROKOPOWICH	G	G		0	0	3200	0			
LITTLE NINAGIAK												
262-207	8- 5-1994	BRENNAN	P	P	P	0	0	0	0			Time: 1335. Too silty - no fish showing.
KUKAK CREEK												
262-271	8- 5-1994	BRENNAN	E	E	E	0	0	700	0			Time: 1355. No show in bay.
262-271	8-15-1994	BRENNAN	E	F	P	0	0	3300	500	3000P		Time: 1350. Not much showing in bay except 1 jumper by old cannery.
262-271	8-31-1994	PROKOPOWICH	G	G	G	0	0	1500	12500	500Ch	7000Ch	Looks weak. Pinks in sample fork. Lots of bears. 9,000 chums in main stream.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
KAFLIA CREEK												
262-301	7-28-1994	PROKOPOWICH	G	G		17000	0	0	0	2000R		Stream fish in lower lake by inlet creek. Blue/white Otter in lake. No survey of upper lake.
262-301	8- 5-1994	BRENNAN	E	E	G	23000	0	0	0	3000R 500Co 1500P		Time: 1405. 5,000 reds in upper lake; good show in lower lake. Mixed fish off stream mouth in inner lagoon.
262-301	8-15-1994	BRENNAN	E	G	F	18000	0	200	0	100Co 4500P		Time: 1410. Reds starting to thin out.
HALFERTY CREEK												
262-351	8- 5-1994	BRENNAN	G	G	F	5500	0	500	0	200P		Time: 1425. Fair shot of reds in lake.
SANDY CREEK												
262-401	7-28-1994	PROKOPOWICH		G		0	0	0	0	1500P		Pinks on flats.
262-401	8-31-1994	PROKOPOWICH	G			0	0	300	0			
MISSAK CREEK												
262-402	7-28-1994	PROKOPOWICH		E		0	0	0	0	2000P		No stream survey. 1 seiner in bay.
262-402	8- 5-1994	BRENNAN	E	F	F	0	0	0	0	50P		Time: 1435.
262-402	8-15-1994	BRENNAN	E	E	G	0	0	500	0	1900P		Time: 1505.
262-402	8-31-1994	PROKOPOWICH	G			0	0	500	0			
KINAK CREEK												
262-451	8- 5-1994	BRENNAN	E	E	E	0	0	2500	0	500P		Time: 1445.
262-451	8-15-1994	BRENNAN	E	E	G	0	0	3500	0	500P	2000P	Time: 1515.
262-451	8-30-1994	PROKOPOWICH	E	E		0	0	10000	3000	500P		Most fish are in lagoon and lower river.
GEOGRAPHIC CREEK												
262-501	8- 5-1994	BRENNAN	E	G	G	0	0	1200	0	200P		Time: 1500. Very quiet.
262-501	8-15-1994	BRENNAN	E	E	G	0	0	4200	0		6000P	Time: 1525. Bay fish outside near stream #502.
262-501	8-30-1994	PROKOPOWICH	G			0	0	1800	0			
AVALANCHE CREEK												
262-502	8-30-1994	PROKOPOWICH	G			0	0	200	0			
DAKAVAK												
262-551	8- 5-1994	BRENNAN	G	G	F	0	0	0	0			Time: 1510. Good look but nothing showing!
262-551	8-15-1994	BRENNAN	E	E	E	0	0	4800	0	5400P	2500P	Time: 1540. Still looks pretty thin for this date, but definite improvement. Bay fish in 2 schools to north on beach.
262-551	8-30-1994	PROKOPOWICH	G	G		0	0	13500	2000	150Co		

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
ALOGOGSHAK CREEK												
262-602	8-18-1994	BRENNAN	P	P	P	0	0	0	1700			Time: 1220. Stream and bay still very muddy. Flew way up looking for creek forks or tributaries. 1,300 chums in side creek 3 miles up on north side. Rest of fish in sloughs.
262-602	8-30-1994	PROKOPOWICH	P	G		0	0	0	7000	100Co		Water muddy - poor visibility.
CLAM CREEK												
262-603	8-18-1994	BRENNAN	E	G	F	0	0	250	0			Time: 1237.
KASHVIK CREEK												
262-604	8- 5-1994	PROKOPOWICH	E	E		0	0	6000	500	1000P		Looks weak.
262-604	8-18-1994	BRENNAN	E	G	G	0	0	29800	5500	2500P	500Ch	Time: 1240. Most fish in deep holes of lower mile but fish scattered in both upper forks.
262-604	8-30-1994	PROKOPOWICH	E			0	10000	20000	0			Looks real strong for coho. Several sport fishermen present. No camp. Plane on lake.
WRECKAGE CREEK												
262-605	8-18-1994	BRENNAN	F	F	F	0	0	2200	0			Time: 1250. Quick look. Nothing out front.
SKIMPY CREEK												
262-606	8-18-1994	BRENNAN	E	G	F	0	0	3600	0			Time: 1235.
BIG ALINCHAK												
262-651	8- 5-1994	PROKOPOWICH	G			0	0	15000	2000	200P	200P	Looks weak.
262-651	8-18-1994	BRENNAN	F	F	P	0	0	16500	4500			Time: 1315. Good look even though very windy. Pinks well distributed through stream.
262-651	8-30-1994	PROKOPOWICH	G	G		0	1000	16200	5000	500Co 500P		
LITTLE ALINCHAK												
262-652	8- 5-1994	PROKOPOWICH	G			0	0	2200	0	500P		
262-652	8-30-1994	PROKOPOWICH	G	G		0	0	4000	0	1000P		
PTERODACTYL CREEK												
262-653	8- 5-1994	PROKOPOWICH	G	G		0	0	0	0	3000P		Only a couple small schools along buildup beach to cabin.
262-653	8-30-1994	PROKOPOWICH	G			0	0	5200	0			
BEAR BAY CREEK												
262-654	8- 5-1994	PROKOPOWICH	G			0	0	0	600		1000P 800Ch	
262-654	8-18-1994	BRENNAN	G	G	F	0	0	12500	6400	2500P 500Ch	5000P	time: 1300. Looks good. Fish well distributed.
BEAR LAKE CREEK												
262-655	8- 5-1994	PROKOPOWICH	E			950	0	0	0			Most by inlet stream on north side of lake.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Mou	Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
WEST BEAR CREEK												
262-656	8- 5-1994	PROKOPOWICH	G			0	0	800	0			
262-656	8-18-1994	BRENNAN	G	G	F	0	0	1100	0	3000P		Time: 1310. Quick look - pretty windy.
HELEN CREEK												
262-701	8- 5-1994	PROKOPOWICH	G	G		0	0	800	0	500P		Fish in lower end of creek.
PORTAGE CREEK												
262-702	8- 5-1994	PROKOPOWICH	G	P		0	0	5000	0			
262-702	8-18-1994	BRENNAN	G	F	P	0	0	7100	0			Time: 1325. Wind smoking out of Puale. Very turbulent so surveyed from about 1200 feet. Fair to good look though. Pinks scattered through creek. No big numbers. Too windy to continue (SW 35+).
262-702	8-30-1994	PROKOPOWICH	G	G		0	0	7500	0			
TERESA CREEK												
262-703	8- 5-1994	PROKOPOWICH	P			0	0	0	0			Nothing seen - too muddy.
262-703	8-30-1994	PROKOPOWICH	G			0	0	2200	2300	2000Ch		
TRAIL CREEK												
262-704	8- 5-1994	PROKOPOWICH	P			0	0	0	200			Poor visibility.
262-704	8-30-1994	PROKOPOWICH	G			0	0	7000	11000			
KATIE CREEK												
262-705	8- 5-1994	PROKOPOWICH	G			0	0	0	0			Nothing seen.
262-705	8-30-1994	PROKOPOWICH	G			0	0	600	0			
OIL CREEK												
262-751	8- 5-1994	PROKOPOWICH	G			0	0	8500	0			Canyon to mouth.
262-751	8-30-1994	PROKOPOWICH	G	G		0	0	10000	0	200P		
DRY BAY												
262-752	8- 5-1994	PROKOPOWICH	F	F		0	0	0	1000	700Ch		Water murky.
262-752	8-30-1994	PROKOPOWICH	G	G		0	2000	7800	5000			
JUTE CREEK												
262-801	8-30-1994	PROKOPOWICH	G			0	0	1600	0		3000P	Bay pinks at unmarked creek north side of bay.
KANATAK												
262-802	8- 5-1994	PROKOPOWICH	G			0	0	7000	0			Nothing seen off mouth.
262-802	8-30-1994	PROKOPOWICH	E			0	0	12500	0			Good distribution.
BIG CREEK												
262-851	8- 5-1994	PROKOPOWICH	G	P	P	0	0	66000	20000			Looks fairly good. Good distribution of fish. Poor visibility off mouth.

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility Str	Visibility Mou Bay	Fish in Stream Reds	Coho	Pink	Chum	Build Up Fish Mouth	Bay	Observer Remarks
262-851	8-30-1994	PROKOPOWICH	E		0	500	92500	0			Coho near mouth.
DES MOINES CREEK											
262-852	8-30-1994	PROKOPOWICH	G	G	0	0	600	0			Fish at mouth of stream.
PASS CREEK											
262-853	8-30-1994	PROKOPOWICH	G		0	0	8800	0			6,000 pinks - north fork. 2,800 pinks - south fork.
SHORT CREEK											
262-854	8-30-1994	PROKOPOWICH	G	G	0	0	4800	0	50P		
ICY PEAK CREEK											
262-859	8- 5-1994	PROKOPOWICH	F		0	0	0	1150			Water muddy. West fork: 400 chum, East fork: 600 chum, Middle fork: 150.
262-859	8-30-1994	PROKOPOWICH			0	0	0	6200			Left fork - 4,200 chums, right fork - 2,000 chums.
KAYAKLIUT CREEK											
262-861	8-30-1994	PROKOPOWICH	G		0	0	500	0			Fish at mouth of stream.
IMUYA CREEK											
262-951	8- 5-1994	PROKOPOWICH	P		0	0	0	0			Water muddy, nothing seen.
262-951	8-30-1994	PROKOPOWICH	E	E	0	0	0	9000	1000Ch		Looks good.
CIRC CREEK											
262-952	8- 5-1994	PROKOPOWICH	G		0	0	10000	0			Fish in lower end of creek.
262-952	8-30-1994	PROKOPOWICH	G		0	0	6500	0	1500P		
KILOKAK CREEK											
272-963	8- 5-1994	PROKOPOWICH	G	G	0	0	4000	0	9000P		Good water flow.
272-963	8-30-1994	PROKOPOWICH	G	G	0	0	7000	0	25000P		Mouth dry.

Appendix Q.1. Subsistence salmon fishing regulations for the Kodiak Management Area, 1994.

SUBSISTENCE FINFISH

KODIAK AREA

ARTICLE 10. - KODIAK AREA.

5 AAC 01.500. DESCRIPTION OF KODIAK AREA. The Kodiak Area includes all waters of Alaska south of a line extending east from Cape Douglas (58°52' N. lat.), west of 150° W. long., north of 55°30' N. lat.; and east of the longitude of the southern entrance of Imuya Bay near Kilokak Rocks (156°20'13" W. long.).

5 AAC 01.510. FISHING SEASONS.(a) Salmon may be taken for subsistence purposes from 6:00 a.m. until 9:00 p.m. from January 1 through December 31, with the following exceptions:

(1) from June 1 through September 15, salmon seine vessels may not be used to take subsistence salmon for 24 hours before, during, and for 24 hours after any open commercial salmon fishing period;

(2) from June 1 through September 15, purse seine vessels may be used to take salmon only with gill nets and no other type of salmon gear may be on board the vessel.

(c) Fish, other than salmon , rainbow trout and steelhead trout, may be taken at any time unless restricted by the terms of a subsistence fishing permit. Rainbow trout and steelhead trout, taken incidentally in other subsistence finfish net fisheries, are lawfully taken and may be retained for subsistence purposes.

5 AAC 01.520. LAWFUL GEAR AND GEAR SPECIFICATIONS.(a) Unless restricted by this section or under the terms of a subsistence fishing permit, fish may be taken by gear listed in 5 AAC 01.010(a).

(b) Salmon may be taken only by gill net and seine.

(c) Halibut may be taken only by a single hand-held line with not more than two hooks attached to it.

(d) Subsistence fishermen must be physically present at the net at all times the net is being fished.

5 AAC 01.525. WATERS CLOSED TO SUBSISTENCE FISHING. The following locations are closed to the subsistence taking of salmon:

(1) all waters of Mill Bay and all those waters bounded by a line from Spruce Cape to the northernmost point of Woody Island, then to the northernmost point of Holiday Island, then to a point on Near Island opposite the Kodiak small boat harbor entrance and then to the small boat harbor entrance;

(2) all freshwater systems of Little Afognak River and Portage Creek drainage in Discoverer Bay;

(4) all waters closed to commercial salmon fishing in the Barbara Cove, Chiniak Bay, Saltery Cove, Pasagshak Bay, Monashka Bay and Anton Larsen Bay as described in 5 AAC 18.350, and all waters closed to commercial salmon fishing within 100 yards of the terminus of Selief Bay Creek and north and west of a line from the tip of Last Point to the tip of River Mouth Point in Afognak Bay;

(6) all waters 300 yards seaward of the terminus of Monks Creek;

(7) from August 15 through September 30, all waters 500 yards seaward of the terminus of Little Kitoi Creek;

(8) all freshwater systems of Afognak Island;

(9) all waters of Ouzinkie Harbor north of a line from 57°55'10" N. lat., 152°36' W. long. to 57°55'03" N. lat., 152°29'20" W. long.

5 AAC 01.530. SUBSISTENCE FISHING PERMITS. (a) A subsistence fishing permit is required for taking salmon, trout and char for subsistence purposes. A subsistence fishing permit is required for taking herring and bottomfish for subsistence purposes during the commercial herring sac roe season from May 1 through June 30. (b) A subsistence salmon fishing permit allows the holder to take 25 salmon plus an additional 25 salmon for each member of the same household whose names are listed on the permit. An additional permit may be obtained if it can be shown that more fish are needed.

(c) All subsistence fishermen shall keep a record of the number of subsistence fish taken each year. The number of subsistence fish taken shall be recorded on the reverse side of the permit. The record must be completed immediately upon landing subsistence-caught fish and must be returned to the local representative of the department by February 1 of the year following the year the permit was issued.

5 AAC 01.536. CUSTOMARY AND TRADITIONAL SUBSISTENCE USES OF FISH STOCKS. The Alaska Board of Fisheries finds that salmon and finfish other than salmon, except steelhead adn rainbow trout, in the Kodiak Area, except that portion described in 5 AAC 18.200(g), are customarily and traditionally taken or used for subsistence.

5 AAC 01.545. SUBSISTENCE BAG AND POSSESSION LIMITS. The daily bag limit for halibut is two fish and the possession limit is two daily bag limits. No person may possess sport-taken and subsistence-taken halibut on the same day.

Appendix Q.2. Example of subsistence salmon permit for the Kodiak Management Area, 1994.

EXAMPLE OF COMPLETED SUBSISTENCE PERMIT

KODIAK SALMON SUBSISTENCE PERMIT

PERMIT 000

PERMITTEE NAME: John Doe

YEAR 1992

ADDRESS: 123 Main St.
Anytown, Alaska

I CERTIFY THAT I AM AN ALASKAN RESIDENT, AND ANY SALMON TAKEN WILL BE USED FOR SUBSISTENCE PURPOSES ONLY.

PERMITTEE SIGNATURE: John Doe DATE: 4/15/92

ADDITIONAL MEMBERS OF SAME HOUSEHOLD TO BE INCLUDED ON PERMIT (RESIDENTS ONLY): Jane, Joan, David

TOTAL NUMBER OF SALMON PROVIDED FOR ON THIS PERMIT: 100

DEPARTMENT SIGNATURE: M. Bidgood DATE: 4/15/92

SUBSISTENCE HARVEST LOG

TRIP DATE	SPECIFIC LOCATION	NUMBER OF SALMON BY SPECIES					TOTAL
		CHINOOK	SOCKEYE	COHO	PINKS	CHUMS	

PLEASE RETURN THIS PERMIT BY JANUARY 31, 19 93
TO: ALASKA DEPARTMENT OF FISH & GAME, 211 MISSION ROAD, KODIAK, AK 99615

SALMON SUBSISTENCE FISHERMAN REMINDER

-- BE FAMILIAR WITH ALL SUBSISTENCE REGULATIONS DISTRIBUTED WITH THIS PERMIT. ADDITIONAL COPIES OF REGULATIONS AVAILABLE AT KODIAK FISH AND GAME OFFICE.

-- ALL PERSONS MUST HAVE A VALID SALMON SUBSISTENCE PERMIT IN POSSESSION WHILE TAKING OR ATTEMPTING TO TAKE SUBSISTENCE SALMON. PERSONAL SUBSISTENCE PERMITS ARE NON-TRANSFERABLE.

-- SUBSISTENCE SALMON FISHING IS ALLOWED DAILY BETWEEN 6:00 A.M. AND 9:00 P.M.

-- LAWFUL GEAR: GILLNET (MAXIMUM LENGTH 50 FATHOMS) AND SEINE. PURSE SEINES MAY BE USED FOR SUBSISTENCE FISHING ONLY BEFORE JUNE 1 AND AFTER SEPTEMBER 15. SALMON SEINE VESSELS MAY NOT BE USED FOR 24 HOURS BEFORE, DURING, OR FOR 24 HOURS AFTER ANY OPEN COMMERCIAL SALMON FISHING PERIOD.

-- THIS PERMIT EXPIRES DECEMBER 31, AND CATCH REPORTS ARE DUE BY JANUARY 31 CATCH REPORTS MUST BE SUBMITTED TO ADF&G BEFORE A NEW PERMIT WILL BE ISSUED.

-- COMPLETE THE SUBSISTENCE HARVEST LOG ABOVE IMMEDIATELY UPON LANDING FISH.

-- FOR EACH SUBSISTENCE TRIP RECORD DATE, LOCATION, AND HARVEST BY NUMBER OF FISH. UNSUCCESSFUL TRIPS SHOULD ALSO BE RECORDED.

-- LOCATION OF HARVEST SHOULD BE IDENTIFIED BY STREAM, BAY, NEAREST HEADLAND, AND/OR NEAREST GEOGRAPHICAL FEATURE.

-- QUESTIONS ABOUT SUBSISTENCE FISHING MAY BE DIRECTED TO KODIAK FISH AND GAME OFFICE AT 211 MISSION ROAD, KODIAK, ALASKA 99615, OR BY TELEPHONING 486-1830.

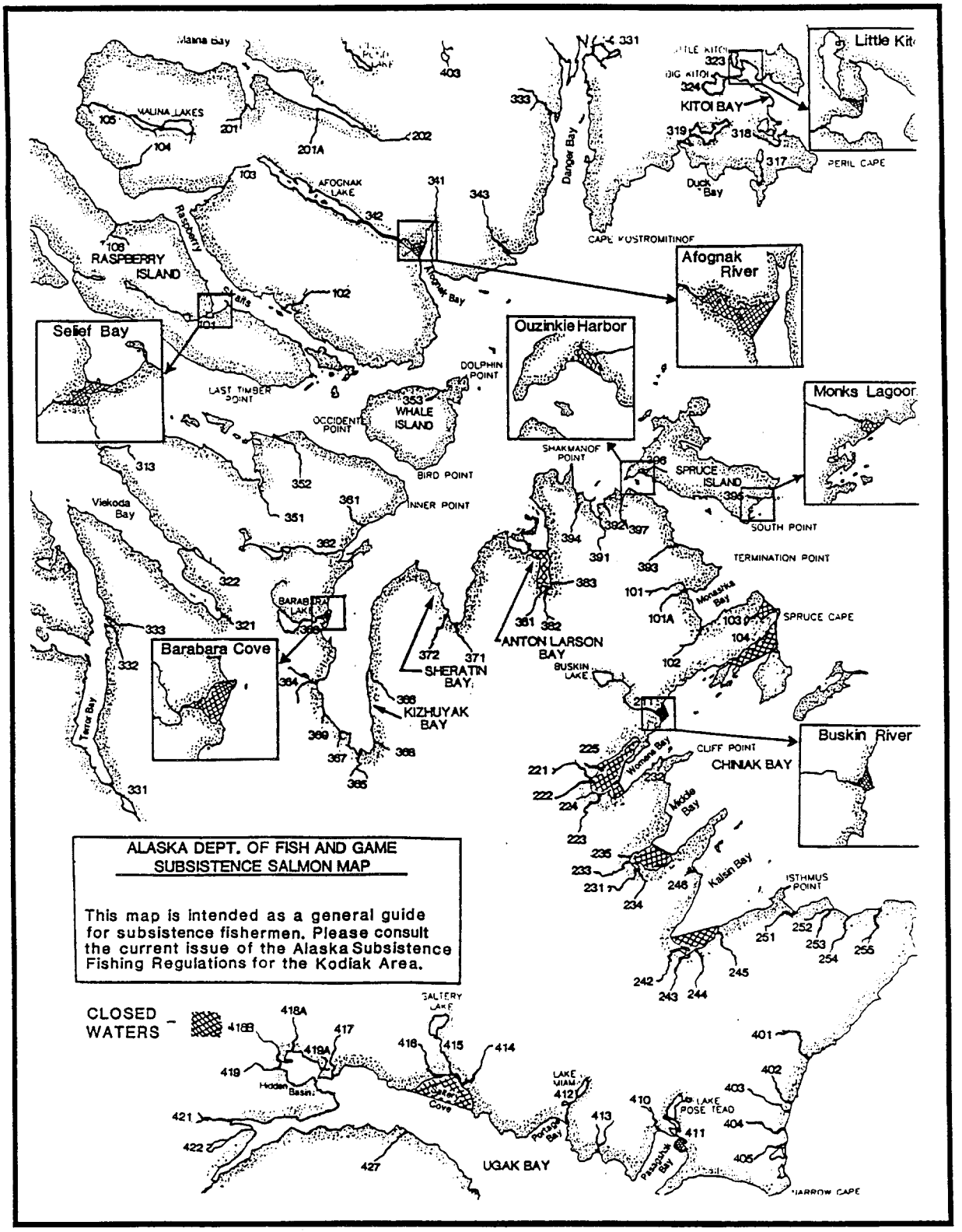
Subsistence fisherman's name and address

Subsistence fisherman's signature and date

Names of household members for whom the permittee will be collecting subsistence salmon

Number of salmon provided for on permit (25 per family member)

Appendix Q.3. Subsistence salmon fishing map showing closed waters near the city of Kodiak, 1994.



Appendix Q.4. Subsistence harvest by species and area, Kodiak Management Area, 1993.

Area	Chinook	Sockeye	Coho	Pink	Chum	Total
Kizhuyak Section						
Ouzinkie Narrows	2	59	130	25	27	243
Monk's Lagoon	3	0	327	2	0	332
Spruce Island	0	1058	143	140	25	1366
Camel Rock	0	0	48	0	0	48
Shakmanof Bay	0	1	2	21	1	25
Sheratine Bay	0	41	36	16	4	97
Kizhuyak	0	96	257	27	8	388
Barabara Cove	30	568	10	0	1	609
Settlers Cove	1	287	897	35	1	1221
Chiniak Section						
Monashka Bay	0	12	238	3	2	255
Buskin River	30	4899	2181	414	35	7559
Woman's Bay	0	16	26	0	0	40
Kalsin Bay	4	2	225	55	35	321
Roslyn Beach	0	0	76	8	1	85
Chiniak	40	12	180	3	3	238
Mayflower	0	0	54	3	8	65
Middle Bay	0	0	0	6	0	6
Ugak Bay Section						
Saltery Cove	2	392	110	11	18	533
Pasagshak	7	1554	112	73	25	1771
Ugak Bay	0	202	15	8	5	230
Portage Bay	0	25	0	0	0	25
Sitkalidak Section						
Midway Creek (Big Creek)	0	0	521	90	43	654
Old Harbor	0	0	100	75	75	250
Barling Bay	0	0	45	75	45	165
Sitkalidak Island	0	18	0	0	0	18
Kiliuda Bay	0	0	3	10	2	15
Alitak Bay Section						
Alitak	1	166	21	6	3	197
Olga Bay	0	456	215	3	9	683
Moser Bay	0	622	36	30	0	688
Deadman's Bay	0	50	0	0	0	50
Ayakulik River Section						
Bumble Bay	3	0	0	0	0	3
Karluk Section						
Karluk	13	1269	36	0	1	1319
Uyak Bay Section						
7 Mile Beach	0	25	46	7	2	80
Larsen Bay	0	276	10	0	0	286
Uyak Bay	2	340	40	94	16	492
Spiridon Bay	25	25	2	5	3	60
Zachar Bay	0	13	0	0	4	17

-Continued-

Appendix Q.4. (page 2 of 2)

Area	Chinook	Sockeye	Coho	Pink	Chum	Total
Uganik Bay Section						
Kupreanof	7	108	16	8	4	143
Onion Bay	0	20	4	0	0	24
Viekoda Bay	1	134	3	18	2	158
Uganik Bay	2	723	81	372	7	1185
Terror Bay	1	84	11	17	2	115
Village Islands	0	93	1	10	0	104
Afognak Section						
Afognak Unknown	1	224	73	15	0	313
Afognak Bay	25	3105	607	19	8	3764
Raspberry Straits	0	102	75	0	0	177
Malina Bay	0	114	26	20	1	161
Perenosa Bay	0	4	10	4	0	18
Pauls Bay	0	0	2	0	0	2
Kitoi Bay	0	0	69	0	0	69
Little Afognak	4	312	134	0	0	450
Duck Bay	0	110	12	0	0	122
Danger Bay	1	94	126	7	0	228
Marka Bay	0	6	104	2	3	115
Mary Anderson Cove	2	35	0	0	0	37
Grand Totals	**205**	**17976**	**7491**	**1758**	**440**	**27870**